

**PROPOSAL**  
**2019 LICENSED SITE**  
**REMEDATION PROFESSIONAL**



**Submitted To:**

Borough of Roselle Park  
110 East Westfield Avenue  
Roselle Park, NJ 07204

**Prepared By:**

Matrix New World Engineering, Land Surveying  
and Landscape Architecture, PC  
26 Columbia Turnpike  
Florham Park, NJ 07932

November 30, 2018

Matrix New World Engineering, Land Surveying  
and Landscape Architecture, PC  
26 Columbia Turnpike  
Florham Park, NJ 07932  
973.240.1800 F: 973.240.1818  
www.matrixnewworld.com WBE/DBE/SBE

**MATRIXNEWORLD**  
Engineering Progress

November 30, 2018

**Via UPS Ground**

Borough of Roselle Park  
110 East Westfield Avenue  
Roselle Park, NJ 07204

Attn: Andrew J. Casais, RMC, QPA

**RE: REQUEST FOR PROPOSALS  
2019 LICENSED SITE REMEDIATION PROFESSIONAL  
BOROUGH OF ROSELLE PARK, UNION COUNTY, NEW JERSEY  
MATRIX NO. 18-1069**

Dear Mr. Casais:

Matrix New World Engineering, Land Surveying and Landscape Architecture, PC (Matrix) is pleased to submit our proposal in response to the above-referenced RFP. We are enclosing one (1) original and one (1) CD containing our proposal in pdf format in accordance with the RFP.

We thank you for the opportunity to submit this proposal. Please feel free to contact me directly with any questions or if you should require additional information. I can be reached via phone at (973) 240-1800 or via email to [araichle@matrixnewworld.com](mailto:araichle@matrixnewworld.com).

Sincerely,

A handwritten signature in black ink, appearing to read "A. W. Raichle", with a horizontal line drawn underneath the signature.

Andrew W. Raichle, PE  
Vice President

AWR:lb

## TABLE OF CONTENTS

TITLE	SECTION
Submission Form/Qualification Statement	1
Firm Overview & Qualifications	2
Relevant Project Experience	3
Professional Personnel	4
Appendix	5

## **SECTION 1**



## **BOROUGH OF ROSELLE PARK**

### **SUBMISSION FORM / QUALIFICATION STATEMENT**

(ATTACH ADDITIONAL SHEETS AS NECESSARY,  
BUT DO NOT SIMPLY ATTACH VENDOR MATERIALS  
AND TYPE/WRITE: "SEE ATTACHED")

#### **1. Names and roles of the individuals who will perform the services and description of their education and experience with projects similar to the services contained herein:**

---

Matrix New World Engineering (Matrix) has ten Licensed Site Remediation Professionals on staff with a support staff of highly experienced professionals licensed and certified in various disciplines and capacities (i.e., professional engineer, professional land surveyor, professional planners, asbestos investigations and designers, lead-based paint investigators/risk assessors, etc.).

---

---

The following key personnel will be utilized for this engagement:

---

Andrew W. Raichle, PE - Mr. Raichle has nearly 30 years of experience in the waterfront and maritime development arena and is well-versed in the technical, political, and regulatory aspects that are unique to the process of waterfront development/redevelopment. His breadth of work highlights his proficiency and expertise in both civil and marine engineering and is experienced with federal, State, and County guidelines and processes.

---

---

Thomas C. DeMichele, LSRP - Mr. DeMichele has over 24 years of experience in environmental investigation and remediation services and has participated in complex environmental and engineering programs. Investigations performed involved numerous environmental characterization studies relative to hazardous waste screenings, preliminary assessments (Phase I), site investigations (Phase II), remedial investigations and feasibility studies (Phase III), UST/AST investigations, and environmental impact statements (EIS).

---

---

Robert Gascoyne, LSRP, PG - Mr. Gascoyne has over 20 years of experience in managing and performing site investigations, remedial alternatives analysis/feasibility studies, compliance audits, and remedial actions. He has extensive experience managing hazardous waste site valuations, investigations, and remediations at various agencies (USEPA, NJDEP, USACE) as well as private sector sites.

---

---

Marie Raser, PE, LSRP - Ms. Raser has over 20 years of consulting experience in the areas of environmental compliance, solid waste treatment/disposal, soils and groundwater investigation and remediation, vapor intrusion investigation and mitigation, and project planning, design, and implementation.

---

(ATTACH ADDITIONAL SHEETS AS NECESSARY,  
BUT DO NOT SIMPLY ATTACH VENDOR MATERIALS  
AND TYPE/WRITE: "SEE ATTACHED")

Joseph Valdes, PE, Senior Engineer - County of Middlesex - P: (732) 745-7253 - E: joseph.valdes@co.middlesex.nj.us

Thomas Mineo, PE, County Engineer - County of Union - P: (908) 789-3675 - E: tmineo@ucnj.org

Owen Redmond, Dir. of Community Development - County of Monmouth - P: (732) 431-7490 - E: owen.redmond@co.monmouth.nj.us

Jeanette Harduby, PE, Township Engineer - Township of Livingston - P: (973) 535-7950 - E: jharduby@livingstonnj.org

Paul Kittner, PE, PP, CME, Twp Engineer - Township of Maplewood - P: 973) 762-8120 x3300 - E: pkittner@tpw.maplewood.nj.us

Matrix has over twenty-five years of experience providing similar engineering services to a variety of clients in both the public and private sector including Union and Middlesex Counties, Cities of Clifton and Montclair, and Townships of Maplewood and West Orange to name a few. Please refer to Section 4 of this proposal for examples of relevant project experience.

(ATTACH ADDITIONAL SHEETS AS NECESSARY,  
BUT DO NOT SIMPLY ATTACH VENDOR MATERIALS  
AND TYPE/WRITE: "SEE ATTACHED")

Matrix is a full-service engineering firm with staff of approximately 168 professionals located in our Florham Park and Eatontown, New Jersey offices. These locations and the residency of our key staff allows us to respond to the Borough of Roselle Park's needs within hours or one day of a request.

In addition to our office personnel, Matrix retains a complement of environmental, geotechnical, structural, survey, and construction field staff and equipment. Our fleet of vehicles, scientific equipment, state-of-the-art survey equipment, and vessels stand ready to respond to the Borough's needs and requirements.

**SUBMISSION FORM / QUALIFICATION STATEMENT**  
**(CONTINUED)**

(ATTACH ADDITIONAL SHEETS AS NECESSARY,  
BUT DO NOT SIMPLY ATTACH VENDOR MATERIALS  
AND TYPE/WRITE: "SEE ATTACHED")

**4. Cost details, including the annual fee for primary duties and the hourly rates of each of the individuals who will perform services, and all expenses for any work that is not included in the primary duties:**

All services will be performed on a time-and-expenses basis in accordance with current Matrix fee

schedule, a copy of which follows. All reimbursable expenses are also denoted on this fee schedule.

**CERTIFICATION OF PROPOSAL**  
**(Sign Below)**

Firm: \_\_\_\_\_

Date: \_\_\_\_\_

Authorized Representative (Print): \_\_\_\_\_

Signature: \_\_\_\_\_

Title:

Telephone No.:

Fax No.: \_\_\_\_\_

## 2019 FEE SCHEDULE

TITLE	HOURLY RATE
Principal	\$200.00
Senior Technical Director	\$195.00
Senior Project Manager	\$185.00
Technical Director	\$175.00
Senior Technical Manager	\$165.00
Project Manager	\$155.00
Senior Project Professional	\$150.00
Project Professional	\$145.00
Senior Project Specialist	\$140.00
Project Specialist	\$135.00
Senior Technical Professional	\$125.00
One-Man Robotic Crew	\$120.00
Senior Technical Specialist	\$110.00
Technical Specialist	\$100.00
Senior Data/Field Specialist	\$95.00
Second Survey Crew Member	\$95.00
Data/Field Specialist	\$85.00
Senior Technical Assistant	\$80.00
Technical Assistant	\$75.00
Junior Technical Assistant	\$70.00
Junior Data/Field Technician	\$65.00
Data Entry Specialist	\$55.00

## 2019 REIMBURSABLE EXPENSES

ITEM	FEE
Black & White Copy 8½ x 11	\$ 0.20/sheet
Black & White Copy 8½ x 14	\$ 0.30/sheet
Black & White Copy 11 x 17	\$ 0.40/sheet
Black & White Copy 18 x 24	\$ 1.45/sheet
Black & White Copy 24 x 36	\$ 2.85/sheet
Black & White Copy 30 x 42	\$ 4.25/sheet
Color Copy 8½ x 11	\$ 0.40/sheet
Color Copy 11 x 17	\$ 0.80/sheet
Color Copy 24 x 36	\$27.00/sheet
Color Copy 30 x 42	\$40.00/sheet
Mylar 24 x 36	\$27.00/sheet
Mylar 30 x 42	\$40.00/sheet
CD	\$50.00/disc
Robotic per diem	\$249.00
Scanner per diem	\$400.00
Subconsultants	115% of cost
Out-of-pocket expenses	115% of cost

Additional reimbursables include, but are not limited to, delivery expenses and mileage, charged at Federal prevailing rates.

## SECTION 2



# MATRIX**NEW**WORLD

Engineering Progress

## A COMPANY OF ENGINEERS

Matrix engineers progress.

*We perform important, necessary, engineering work in the natural world and in man-made environments. We address some of the most critical and relevant issues of the day. We assist our partners in streamlining their processes, improving results, lowering costs, and together, moving civilization forward.*

Over the last 28 years, Matrix New World Engineering (Matrix) has offered the private and public sectors engineering, surveying and environmental services. In that time, Matrix has taken the lead in programs including environmental assessments, investigations and remediation, construction management, geotechnical and civil engineering design.

From our first engagement, we understood we were involved not simply in important work, but critical work. Toward that end, we built and now continue to redefine a firm that combines the experience and expertise of professionals from a range of specializations as varied as ecological restoration and infrastructure management services to land surveyors and wetland scientists.

Our belief in the importance of this work has led us to embrace innovation, encourage creative solutions and push best practices. The result: in the last two decades we have opened 10 offices across the country to support our engineers and teams participating in some of the country's most urgent work:

- Spill Response throughout the United States including BP Deepwater
- Crane Co., Phoenix Arizona Superfund Site
- Superstorm Sandy Response and NJ Waterways Contract
- Post Hurricane Infrastructure Hardening and Resiliency Studies for Public Agencies and the Private Sector
- Critical NYC Infrastructure Improvement Projects – Access to the Region Core, 2nd Avenue Subway, East Side Access Project, FRA Northeast Corridor Assessment

Whether engaged in mitigating man-made catastrophes, such as the damage caused by the Gulf spill, or managing the aftermath of natural disasters, such as Superstorm Sandy, we are very much aware that our clients have charged us to mitigate damage, prevent further harm, and help improve the human condition.

We are a company of engineers and scientists and as such have always understood our obligations to our clients and their communities. We see our work not simply in terms of problem and solution, but rather as a moral imperative, which demands excellence in every task we perform, from regular maintenance to addressing the most complicated and significant engineering issues.

### Awards & Commendations

The growth of Matrix has not gone unnoticed by the industry:

- "Outstanding Women Owned Business for 2012" by Anchin, Block & Anchin LLP
- Ernst and Young "Entrepreneur of the Year" Finalist Dennis Petrocelli, PG (2011)
- "Business of the Year" for 2010, for the 51-100 Employees Category
- One of "Top 50 Women-Owned Businesses" in diversitybusiness.com (2005)

### Contact

**Matrix New World Engineering**  
26 Columbia Turnpike - 2nd Floor  
Florham Park, NJ 07932

Jayne Warne, PE, President

[jwarne@matrixnewworld.com](mailto:jwarne@matrixnewworld.com)

or

Dennis Petrocelli, PG, Senior Vice President

[dpetrocelli@matrixnewworld.com](mailto:dpetrocelli@matrixnewworld.com)

973.240.1800

800.747.6287 (MATRIX)

[matrixnewworld.com](http://matrixnewworld.com)

Certified WBE/DBE



# MATRIX**NEW**WORLD

Engineering Progress

## LSRP SERVICES

### **Matrix understands regulation.**

Under the Site Remediation Reform Act (SRRA), all parties initiating remediation after 2009 are required to hire a Licensed Site Remediation Professional (LSRP) to conduct the remediation and to remediate the site without prior approval from the NJDEP. However, under the LSRP program, the NJDEP has established mandatory remediation timeframes for the completion of key phases of site remediation that the responsible party must comply with, and which are sometimes more stringent than were previously in place under voluntary remediation agreements. In addition, the NJDEP maintains direct oversight in cases in which the remediating party is recalcitrant in conducting timely cleanups (i.e., do not meet the mandatory remediation timeframes); as well as for those sites that pose the greatest risk to human health and the environment.

Matrix's LSRPs as well as our other professionals providing site remediation services fully understand new and revised legislation and regulations resulting from the SRRA as well as continually changing NJDEP guidance for implementing the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS), N.J.A.C 7:26C. Since the effective date of the SRRA, Matrix's experienced staff of LSRPs and site remediation professionals have been assisting our clients with making informed decisions regarding opting into the LSRP program, meeting reporting timeframes, completing remedial action permit applications, and conducting investigations and remediation activities under the LSRP program.

Prior to initiating any services under the LSRP program, we provide our clients with project specific information regarding the proposed project approach, project schedule, their reporting requirements, LSRP reporting requirements, and required investigation/remediation timeframes. Early discussions are necessary not only to have early buy-in with proposed project activities, but to clearly define certain LSRP reporting requirements (e.g., identification of immediate environmental concerns) that under law must be conducted immediately without prior consultation with the client.

### **Services provided**

- Preliminary Assessments
- Site Inspections
- Remedial Investigation
- Feasibility Studies
- Vapor Intrusion
- Remedial Design
- Remedial Action

### **Contact**

**Matrix New World Engineering, P.C.**

973.240.1800

800.747.6287 (MATRIX)

[matrixnewworld.com](http://matrixnewworld.com)

Certified WBE/DBE/SBE





# MATRIX**NEW**WORLD

## Engineering Progress

### Services

**Matrix combines the experience and expertise of professionals from a wide range of specializations and disciplines.**

MATRIX NEW WORLD  
ENGINEERING  
800.747.6287  
MATRIXNEWORLD.COM

CERTIFIED WBE/DBE/SBE

NEW JERSEY  
NEW YORK  
LOUISIANA  
TEXAS  
ARIZONA



**ENVIRONMENTAL**  
ENGINEERING



**GEOTECHNICAL**  
ENGINEERING



**ECOLOGY**  
NATURAL RESOURCES



**CIVIL**  
ENGINEERING



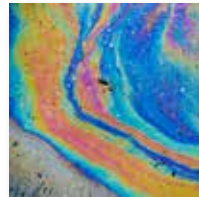
**LAND SURVEYING**  
& MAPPING



**MARINE & WATERFRONT**  
ENGINEERING



**TRANSPORTATION**  
& INFRASTRUCTURE



**SPILL**  
RESPONSE



**DISASTER**  
RESPONSE



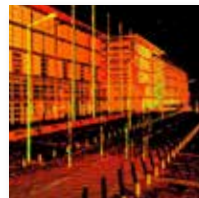
**STRUCTURAL**  
ENGINEERING



**PLANNING**  
FOR LAND DEVELOPMENT



**BIM & 3D MODELING**  
SOLUTIONS



**HD LASER SCANNING**  
SURVEYING



**INDUSTRIAL WATER**  
SUPPLY TREATMENT



**WASTEWATER**  
TREATMENT PRACTICES



**GRANT WRITING**  
SERVICES



**GIS - GEOGRAPHICAL**  
INFORMATION SYSTEMS



**LSRP**  
CONSULTING



**REMEDIATION**  
PROGRAM



**AFFORDABLE**  
HOUSING



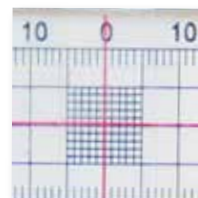
**ENVIRONMENTAL**  
INSURANCE



**HAZMAT**  
CONSULTING



**LANDSCAPE**  
ARCHITECTURE



**INSTRUMENTATION**  
GEOTECH & STRUCTURAL



**COASTAL RESILIENCY**  
ENGINEERING



**FLOOD HAZARD**  
GRANT PROGRAM



**CONSTRUCTION**  
SUPPORT



**OYSTER**  
RESOURCE TEAM



**COASTAL**  
SERVICES



**TELECOMMUNICATIONS**  
ENGINEERING

## SECTION 3

**ANDREW W. RAICHLE, PE**  
**Civil/Marine Engineer**  
**Matrix New World Engineering**

### **Professional Qualifications**

Mr. Raichle is a civil and marine engineer with nearly 30 years of experience in a broad range of waterfront development and maritime projects throughout the U.S., its territories, and the Caribbean. Skilled in the planning and design of coastal and port structures, sub-aqueous utilities, navigational dredging, and shore protection projects, Raichle is well-versed in the technical, political, and regulatory specialties that are unique to the process of waterfront development/redevelopment; delivering projects within and adjacent to the waterfront, including ports, warehousing, parks, shore protection and urban redevelopment projects. His breadth of work highlights his proficiency and expertise in both civil and marine engineering, with projects that include post-Hurricane port restoration in Puerto Rico, redevelopment of NY Harbor's urban waterfront, the response and recovery effort for Superstorm Sandy in the metro New York region, leading the teams responsible for rebuilding the marinas, boardwalks, and other infrastructure of the Jersey Shore; and resort projects throughout the Caribbean. Experienced with federal, state and county guidelines and processes, Raichle comfortably interfaces with all regulatory agencies.

### **Education**

ME, Ocean Engineering, Davis Fellow, University of Delaware, 1992  
BE, Civil Engineering, University of Delaware, 1990

### **Professional Experience**

**NJEIT-Funded Sherwin Williams Redevelopment Project** - Engineer of Record for the design, permitting, and funding administration of Portfields redevelopment project. Work included civil, geotechnical, and marine engineering design, NJDEP/USACE permitting, and construction administration. Project funded with a complex "conduit" agreement between the redeveloper, City and NJEIT. Raichle oversaw all components of the funded project, including site remediation.

**Municipal Consulting – FEMA Risk MAP Program – Region 2** – Engineering counsel for multiple municipalities regarding release of best available coastal mapping for New York metro region. Consulted with municipalities of Avon-by-the-Sea, Bay Head, Bayonne, Brick, Kearny, Keyport, Jersey City, Highlands, Spring Lake, Rahway, and Perth Amboy. Advised local officials with respect to coastal engineering interpretation of mapping and identifying implications and potential challenge areas associated with the maps.

**FEMA A-Zone Modification, Rahway City, NJ** – Engineer of Record for FEMA map modification, utilizing CLOMR/LOMR process to remove a mixed-use redevelopment block unit residential property from A-Zone based upon placement of fill.

**City of Newark Portfields Redevelopment Projects, Newark, NJ** – Engineer of Record for more than two million square feet of industrial warehouse redevelopment in Newark. Involved substantial evaluation of existing water, sewer and stormwater utilities, and design modifications/permitting necessary to accommodate substantial redevelopment demands.

**Redevelopment of Military Ocean Terminal, Bayonne (MOTBY), Bayonne, NJ** - Engineer of Record for Bayonne Local Redevelopment Authority's redevelopment of more than 700-acre former military base. Redevelopment included extensive site remediation of contaminated soils and groundwater. Coordinated remediation design and construction activities, including applicable regulatory requirements (NJDEP waterfront development permits, deed notices, CEA's, etc.). Produced remediation record documents, including record surveys and engineering certifications, permitting, and negotiations for the filling and associated mitigation of 2.9 acres of contaminated freshwater wetlands on the site. Managed the closing and maintenance of former C&D landfill on site. Responsible for design, procurement, and execution of \$5M square feet of building demolition, including asbestos abatement. Planned and executed modification of contamination engineering controls for new buildings, infrastructure, and utilities. Secured and executed more than \$30M of New Jersey Environmental Infrastructure Trust (NJEIT) funding for site remediation and water quality improvements.

**ANDREW W. RAICHLE, PE**  
**Civil/Marine Engineer**  
**Matrix New World Engineering**

**NJEIT-Funded Harrison Commons Redevelopment Project** – Engineer of Record for the design, permitting, and funding administration of a residential/transportation hub redevelopment project. Work included civil, geotechnical, and environmental engineering design and construction administration. Project funded with a complex “conduit” agreement between the redeveloper, City and NJEIT. Raichle oversaw all components of the funded project.

**Post-Sandy Port Authority of New York & New Jersey Resiliency Projects, Multiple Locations in NY and NJ** – Consulting Environmental / Coastal Engineer for the Port Authority of New York & New Jersey’s multi-billion-dollar resiliency programs, including resiliency infrastructure for the Authority’s three airports, PATH train system, two tunnels, and port infrastructure. Work included evaluation of design flood elevations, permitting requirements, NEPA, and archaeological/historical concerns.

**Post-Sandy Environmental Assessments of Resiliency Projects, New York, NY** - Engineer for environmental assessments associated with Post-Sandy CDBG-funded resiliency projects.

**Offshore Wind Utility Transmission, New Jersey and New York** – Engineer managing conceptual design elements of proposed \$2B investment in offshore wind energy transmission. Work included right-of-way evaluation, offshore utilities, nearshore bathymetry, and upland routing between existing substations.

**GLDD Koppers Koke Dredge Processing Facility, Kearny, NJ** – Engineer of Record and Permitting Agent for dredge processing facility on contaminated, former industrial site. Project conditions presented design challenges associated with storage and treatment of stormwater generated from the upland site, including processing and placement activities.

**Port Jersey Channel Deepening Project, Bayonne & Jersey City, NJ** – Consulting engineer for the City of Bayonne and Global Terminal’s efforts to deepen the Port Jersey Navigation Channel to accommodate post-Panamax container ships. Work included extensive evaluation of existing utility conflicts and regulatory constraints associated with habitat mitigation. Consultation included forensic mapping of the PVSC Outfall tunnel, representation of the City of Bayonne in riparian rights issues, and construction oversight on behalf of the City.

**Post-Sandy FEMA Map Modification Challenges, Multiple Properties and Jurisdictions, NY and NJ** – Engineer representing multiple commercial, industrial, municipal, and high-rise residential property owners in matters concerning FEMA’s modification of flood zones throughout New Jersey and New York. Work included coastal modeling, FEMA map modifications (LOMRs), formal/informal FEMA challenges, and representation of local governments for FEMA matters.

**Landings at Harborside Redevelopment Project, Perth Amboy, NJ** – Marine Engineer of Record for owner, providing specialty marine and redevelopment engineering for various components of proposed residential redevelopment, including seawall design, FEMA map modifications, marina design, and permitting consultation.

**Lister Avenue/Sherwin Williams Portfields Redevelopment, Newark, NJ** - Engineer of Record for permitting, design, and execution for the redevelopment of a former waterfront paint factory as part of the Portfields Initiative. Redevelopment included extensive site remediation of contaminated soils and groundwater, and building demolition. Coordinated design and execution of remediation construction activities, including soil caps and a groundwater cutoff wall extending through the shallow water aquifer (~50 feet). Secured and executed \$19M+ of New Jersey Environmental Infrastructure Trust (NJEIT) funding for site remediation and water quality improvements.



**ANDREW W. RAICHLE, PE**  
**Civil/Marine Engineer**  
**Matrix New World Engineering**

**Bulk Liquid Terminal Redevelopment, Perth Amboy, NJ** - Engineer of Record for the redevelopment of a highly contaminated bulk liquid oil terminal. Redevelopment planning and execution under the authority of Raichle included extensive permitting and remediation activities, including demolition, asbestos removal, local/State approvals, flood controls, free product removal, and overall site and marine redevelopment as a modern oil storage terminal.

**Fairmount Chemical Portfields Redevelopment, Jersey City, NJ** - Engineer of Record for the permitting, design, and execution of Portfields redevelopment of former waterfront chemical factory. Redevelopment included extensive site remediation of contaminated soils and groundwater, and building demolition. Coordinated design and permitting of remediation construction activities, including soil caps and stormwater management. Responsible for securing an estimated \$20M of New Jersey Environmental Infrastructure Trust (NJEIT) funding for site remediation and water quality improvements.

**Cape Liberty Cruise Port, Bayonne, NJ** - Engineer of Record for development of New York Harbor passenger ship terminal for Royal Caribbean Cruise Lines. Completed work on expedited basis, managing marine improvements (dredging, piers, mooring), security facilities, transportation, and adaptive re-use of a warehouse into a modern terminal.

**Oyster Creek Nuclear Generating Station Intake and Discharge Canal Monitoring, Ocean County, NJ** – Project manager and marine engineering expert for 15 years of canal monitoring to evaluate shoaling within tidally-influenced canals serving the Nuclear Generating Station. Work included evaluation of hydraulic capacity, navigational impacts, and storm-related impacts. Served as marine engineering expert to client for maintenance dredging of canals, including design of dredging/disposal, permitting, procurement, and construction administration. Project manager for hydrographic surveys and planning, organization, and coordination associated with delivery of replacement transformers at barge loading facility.

**Portfields Warehouse Development, Newark, NJ** – Manager of permitting, surveying, engineering, and construction administration for 750,000 SF warehouse and 500,000 SF warehouse in port district of Newark on contaminated former industrial site on the waterfront.

**Port Liberté Marina & Ferry Terminal, Jersey City, NJ** - Designer and construction manager for 150-slip marina and ferry terminal serving Manhattan.

**PSEG Gas Main Resiliency, Hudson County, NJ** – Manager of engineering, surveying, and regulatory efforts for interconnection of aging gas main system serving high density Hudson County to modern transmission system. Work included siting and permitting of pipeline route and M&R station. Coordinated with State of New Jersey for disruption of previously remediated contamination areas.

#### **Professional Certifications and Registrations**

Professional Engineer – New Jersey, #24GE04188900, 1990, New York, #077338-1, 2003, Florida, 1995

Transportation Worker Identification Credential (TWIC)

OSHA Hazardous Waste Site Operations

Health and Safety Certification

#### **Professional Affiliations**

American Society of Civil Engineers

NJ Marine Trades Association

National Association of Industrial & Office Properties (NAIOP)

**THOMAS C. DeMICHELE, LSRP**  
**Senior Project Manager**  
**Matrix New World Engineering**

### **Professional Qualifications**

Mr. De Michele is a Licensed Site Remediation Professional (LSRP) with over 24 years of experience in environmental investigation and remediation services. His responsibilities have included planning and directing soil, surface water, groundwater, and bedrock investigations for environmental projects and oversight of underground storage tank (UST) and aboveground storage tank (AST) decommissioning in accordance with federal, state, and local regulations. He has participated in complex environmental and engineering programs which have required detailed cost-control programs and multi-disciplinary staffing. Investigations performed involved numerous environmental characterization studies relative to hazardous waste screenings, preliminary assessments (Phase I), site investigations (Phase II), remedial investigations and feasibility studies (Phase III), UST/AST investigations, and environmental impact statements (EIS). Mr. De Michele is a licensed N-2 Industrial Wastewater Operator, Subsurface Evaluator, and UST Closure in the State of New Jersey. His body of experience is highlighted by successfully completing progressively complex assignments at facilities of increasing size.

### **Education**

BS, Biology, Maxwell Becton College of Liberal Arts, Fairleigh Dickinson University, 1988

### **Professional Experience**

**County of Union, Underground Storage Tank (UST) Management Program, Elizabeth, NJ** - The UST management program involved the decommissioning, upgrade, or replacement of 70 USTs at 28 facilities throughout the County of Union. As a result of discharges to the subsurface from leaking USTs, several have undergone or are undergoing site investigations, remedial investigations, or remediation. Of the original 28 sites, seven sites have been opted into the LSRP program. The environmental investigations are performed in accordance with the Technical Requirements for Site Remediation (NJAC 7:26E), the NJDEP Field Sampling Procedures Manual, and USEPA standards and new issued NJDEP Guidance Documents.

**County of Middlesex, On-Call Contract for Environmental Services, Middlesex, NJ** - Project Supervisor for the project which involves quarterly groundwater monitoring at numerous County of Middlesex facilities. In addition, the contract involves site investigations, remedial investigations, oversight of UST and AST decommissioning activities, tank tightness testing, and modifications to tank systems, ground penetrating radar (GPR) studies, and waste classifications studies at other County of Middlesex facilities. Mr. DeMichele's responsibilities included the evaluation and quality assurance/quality control (QA/QC) of the data collected, coordination and management of sub-contractors, and the preparation and submission of a written report to the New Jersey Department of Environmental Protection (NJDEP) for each facility on a quarterly basis or as required. The reports which are prepared in accordance to New Jersey Administrative Code (NJAC) 7:26E - Technical Requirements for Site Remediation, discussed and documented the previous studies performed, the surface and subsurface setting of the site, sampling methodology, laboratory methodology, the results of the laboratory analysis, a comparison of the data collected to applicable NJDEP standards and guidelines, and recommendations for future action as necessary. Data contained in the reports was presented in text form, tabular form, and as figures.

**City of Newark, McClellan Street Underpass Roadway and Drainage Improvements Final Design** - Project Manager responsible for the environmental investigation related to the identification and management of contaminated and hazardous materials as part of this linear construction project. Matrix conducted a corridor study, including a Hazardous Waste Screening Report and Site Investigation to provide for the proper management of contaminated materials during design and construction.

**Liberty National, Jersey City, NJ** - Operator/Project Supervisor for the monitoring of a groundwater pump and treatment system. Mr. DeMichele was responsible for the startup, prove-out, and operation and maintenance of the recently-installed remediation equipment. He performed engineering analysis of pump production as compared to manufacturer performance curves, and resized pumps for more efficient system performance. He currently completes the Discharge Monitoring Reports (DMR) for submittal to the NJDEP.

**THOMAS C. DeMICHELE, LSRP**  
**Senior Project Manager**  
**Matrix New World Engineering**

**Newark Housing Authority/The Waterfront Community Project (Grafton Avenue), Newark, NJ** - Project Manager/LSRP responsible for managing the completion of the historic fill material investigation and the on-going groundwater remedial investigation. The investigation included the completion of soil borings to visually delineate the extent of the historic fill to the property boundary and the completion of a preliminary off-site groundwater investigation through the installation of temporary wells. The off-site groundwater investigation activities included obtaining off-site access by the City of Newark and coordination of traffic control with the City of Newark Police Department. Mr. DeMichele also performed a file review at the NJDEP to determine off-site sources of contamination potentially migrating onto the property and a vapor intrusion evaluation.

**Naval Air Engineering Station (NAES), Lakehurst, NJ** - Operator/Plant Manager for operation and maintenance contract for four soil vapor remediation systems and three groundwater treatment systems located at National Priority Listing sites within the Naval Air Engineering Station at Lakehurst, NJ. Mr. DeMichele served as the technical person responsible for 24-hour/7-day monitoring and daily maintenance and inspections. Mr. DeMichele worked with a team of Matrix scientists and engineers to collect samples of air emissions and groundwater for analysis of system operation and compliance on a weekly, monthly and semi-annual basis.

**Former Unidynamics Facility, Roseland, NJ** – Licensed Site Remediation Professional (LSRP) for the investigation and remediation of the Former Unidynamics Facility located in Roseland, New Jersey. Contaminants of concern associated with the site include trichloroethylene (TCE) and tetrachloroethylene (PCE). Specific activities include a vapor intrusion investigation of the existing facility, remedial investigation of on-site areas of concern and groundwater, development of a site-specific impact to groundwater soil remediation standards for contaminated chlorinated VOCs in groundwater, and development of a cleanup plan for both soils and groundwater.

**Bayonne Bridge, Replacement of Main Span Roadway and Approach Structures, Bayonne, NJ** - Senior Project Manager responsible for developing an insitu and post excavation Soil Sampling Plan, Job Hazard Analysis/Site Access Plan and Material Handling Plan to conform to Port Authority of New York and New Jersey (PANYNJ) specifications, New Jersey Department of Environmental Protection (NJDEP) requirements and the Occupational Safety Health Administration (OSHA) guidance documents. Due to limited soil stockpile locations Matrix reviewed excavation documents to determine the amounts of soil that would be generated during the construction of the new structures and developed a soil sampling plan to determine acceptance at multiple offsite disposal facilities. The Soil Plan also considered the sampling of previously stockpiled soils.

**NJDOT, Route 3 over Northern Secondary and Ramp A, Township of North Bergen, NJ** - Project Manager responsible for the environmental investigation related to the identification and management of contaminated and hazardous materials as part of this project. Matrix completed a Hazardous Waste Screening Report to identify potential areas of environmental concern that may impact design and construction of the improvements. Site Investigations, Materials Management Plans and PAECE Reports as well as asbestos surveys will be conducted as part of Final Design.

**New Jersey School Construction Corporation (NJSCC), Paterson Public School Nos. 4 and 28, Environmental Surveys, City of Paterson, Passaic County, NJ** - Project Scientist responsible for environmental surveys of both buildings in anticipation of the construction of additions to existing schools and upgrades, alterations, and improvements to the building and grounds. Services provided included the preparation of a preliminary assessment and limited site investigation in accordance with the New Jersey Department of Environmental Protection (NJDEP) Technical Requirements for Site Remediation, a comprehensive PCB and mercury containing materials survey of all buildings on-site, chemical inventory survey, sample collection of drinking water, preparation of an Executive Order 215 (EO-215) Report, and a geotechnical investigation.

**THOMAS C. DeMICHELE, LSRP**  
**Senior Project Manager**  
**Matrix New World Engineering**

**Heterene Chemical Corporation, Remedial Investigation, Paterson, New Jersey** – Project Scientist responsible for conducting remedial investigations per New Jersey Department of Environmental Protection (NJDEP) Technical Regulations for Site Remediation in the areas of former underground storage tanks (UST). Work included the horizontal and vertical delineation of impacted soils surrounding decommissioned UST locations, the installation of groundwater monitoring wells, and baseline ecological evaluations. A preliminary assessment report (PAR) was conducted following the cessation of manufacturing processes at the facility. The site had been a developed manufacturing facility for over 100 years, encompassed approximately 5 acres and included 11 buildings. The PAR identified 24 different areas of concern.

**Port Imperial Ferry Terminal, Weehawken, NJ** - Field Engineer for the oversight of the construction of a new ferry terminal being constructed by NJ Transit for the use of NY Waterway. Mr. DeMichele has been responsible for inspecting the construction for compliance with the plans and specifications, and coordinating, resolving and documenting changes due to conditions encountered during construction. Much of Mr. DeMichele's work has been related to the installation of the mechanical and electrical systems for the facility, as well as the completion of the interior finishes.

**Heritage Minerals, Lakehurst, NJ** - Operator for the operation and maintenance of a groundwater pump and treatment system with separate phase product recovery. The system consisted of 20 pneumatic pump systems, each containing a groundwater depression pump and a product recovery skimmer pump. Recovered product was stored in a 50,000-gallon above-ground storage tank and the water was processed through a low profile air stripper. Processed water was discharged to onsite lagoons for ultimate recharge to groundwater. The pump systems and low profile air stripper were routinely maintained due to the dissolved iron and manganese concentrations in groundwater.

**Aqualon Corporation, Parlin, NJ** - Provided oversight for the installation of a groundwater treatment system that included electric submersible pumps, low profile air stripper, two regenerative off gas carbon units, solvent reclamation and off gas monitoring system. Provided training for the client's maintenance crew on the maintenance of the remediation equipment. Implemented preventative and scheduled maintenance plans.

**BOC Gases, Murray Hill, NJ** - Performed weekly operation and maintenance of a groundwater pump and treat utilizing packed column air stripper and discharge to onsite recharge basins. Completed the daily and weekly maintenance logs along with the monthly preparation of the New Jersey Department of Environmental Protection (NJDEP) discharge monitoring reports (DMR).

#### **Professional Registrations and Certifications**

40-Hour OSHA Hazardous Waste Safety and Health Operations – 1988  
8-Hour OSHA Refresher Training for Hazardous Waste Operations – Updated Annually  
8-Hour OSHA Hazardous Waste Site Supervisor - 1989  
8-Hour Level B Equipment use Training – 1989  
10 –Hour OSHA Construction Course - 2013  
NJDEP Licensed Site Remediation Professional, No. 576002, 2012  
NJDEP Certified N-2 Industrial Wastewater Operator, #0004119 - 1993  
NJDEP Certified UST Subsurface Evaluation and Closure, #0009989 - 1992  
OSHA Excavation Safety Standard Certified - 1995  
Confined Space Entry Training - 1994



**ROBERT GASCOYNE, LSRP, PG**  
**Vice President, Environmental Investigations**  
**Matrix New World Engineering**

### **Professional Qualifications**

Mr. Gascoyne has over 20 years of experience in managing and performing site investigations, remedial alternatives analysis/feasibility studies, compliance audits and remedial actions. He has extensive experience managing hazardous waste site evaluations, investigations, and remediations at various U.S. Environmental Protection Agency (EPA), New Jersey Department of Environmental Protection (NJDEP), U.S. Army Corps of Engineers (USACE), and private-sector sites and also has extensive work with the New Jersey Technical Requirements for Site Remediation and EPA (CERCLA/RCRA/TSCA) Guidance Documents. Experience negotiating favorable outcomes with various state (NJDEP, NJEDA) and federal agencies (EPA, ACOE and USCG). In addition to the above project and client focused work, Mr. Gascoyne has participated and led several internal projects including: development and implementation of an internal project management training program; leadership assessment and development program; development of sales strategies for various focused growth targets; cost of sales analysis and reduction programs and multiple market segmentation efforts.

### **Education**

BA, Geological Sciences, Lehigh University, 1993

### **Professional Experience**

**City of Newark Pierson's Creek, Newark, NJ**– Project Manager responsible for the time critical classification and removal of TSCA/RCRA contaminated waste generated as part of maintenance dredging of Pierson's Creek. During the maintenance dredging of Pierson's Creek, the City of Newark's contracted stockpile 2,500 yards of waste within an easement in the floodplain of the creek. Following stockpiling, Mr. Gascoyne was retained to perform the initial characterization of the waste for disposal purposes. The initial sampling indicated the waste was contaminated with high levels of PCB and inorganic waste. Following initial classification of the material as mixed (TSCA/RCRA) waste, Mr. Gascoyne developed an addendum to the sampling plan which permitted for the complete sampling and characterization of the waste, achieved disposal facility pre-approval for all waste from multiple facilities, negotiated disposal pricing and treatment slot scheduling and minimized costs through the in-situ characterization of the waste. Mr. Gascoyne served as the project manager for all aspects of the project and successfully brought the project in under budget and ahead of schedule.

**RI/FS, Hudson County, NJ, Confidential Client** - While employed by the client, was involved in numerous aspects of this large-scale project. PRP was responsible for completing an RI of chromium-contaminated soils associated with their historic operations. Conducted multiple field activities including: borehole logging; surface, subsurface, and sediment sampling; lysimeter installation and development; groundwater and surface-water sampling; hydraulic conductivity testing; tidal studies; and monitoring well installation and development. Was also responsible for data transfer, input, analysis, and modeling on several computer software packages.

**City of Newark Underground Storage Tank (UST) Remediation, Newark, NJ** - Project Manager managed all stages of the RI/remedial action (RA) regarding a leaking UST in the Newark City Hall parking lot. The work consisted of the required activities necessary for groundwater remediation as a result of a former leaking UST. Specifically, the tasks managed and work performed consisted of scope definition, Memorandum of Understanding (MOU) negotiation with regulatory authorities, schedule preparation, oversight of indoor air sampling, active and passive groundwater remediation, bid preparation, monitoring well installation, groundwater sampling, performance of a Baseline Ecological Evaluation, and regulatory negotiation and reporting. Project was highly successful in achieving the project goals, especially in regard to regulatory negotiation. Regulatory negotiation was successful in avoiding potential fines and negotiation of a more achievable schedule.

**RI/FS, Camden County, NJ, Confidential Client** - Deputy Project Manager conducted an RI/FS and RA for a confidential client under several AOCs with EPA and NJDEP. Project involves soil, sediment, surface water, and groundwater investigation, and remediation at a former manufacturing site. Site-specific issues are related to the O&M of a passive free-product recovery and SVE system, and the implementation of removal action measures to address exposure issues. Assisted in the development and estimating of remediation costs for contaminated residential 2-acre property bisected by a small creek. Work plan included several factors including stream encroachment and remediation issues, soil excavation, permit issues, and resident's issues regarding remediation.

**ROBERT GASCOYNE, LSRP, PG**  
**Vice President, Environmental Investigations**  
**Matrix New World Engineering**

**NJDOT Construction Oversight Services, Multiple Projects, New Jersey, (NJDOT)** - Project Manager for numerous NJDOT roadway improvement projects concerning environmental issues. The projects varied from developing a departmental approach regarding property acquisition during roadway improvements to supporting NJDOT in ongoing construction projects where unanticipated environmental concerns were encountered. Mr. Gascoyne worked closely with NJDOT to develop a comprehensive, detailed approach to each specific project. Activities included preparation of property acquisition cost estimates, soil reuse plans, and evaluation and costing of remedial options.

**Bulk Terminal Investigation/Remediation, Bayonne, NJ, Confidential Client** - Project Manager currently manages multiple investigations and remedial activities at this operating bulk terminal. The bulk terminal is one of the oldest and largest terminal facilities on the eastern coast of the United States. Investigation and remedial activities at the site consist of investigation and remediation of products varying from specialty chemicals to common fuel constituents. Investigative work consisted of historical document review, field investigations, RAA, and regulatory communication and negotiation. All work was completed within constraints of stringent facility-specific safety/hazard communication protocols with no interruption to facility operations. Investigative and remedial work considered historic non-facility-related contamination (orphan chromium sites) in conjunction with current releases.

**PANYNJ Environmental Consulting Services, Various Sites, Newark, NJ** - Project Manager managed multiple investigations and remedial activities at various Port Authority-owned properties. Investigation and remedial activities at the sites consisted of investigation and remediation, responsible party determination, legal support, and cost estimating. Investigative work consisted of historical document review, management of field investigations, and RAA. Baseline Environmental Reports were generated for establishing tenant leases.

**RI, New Jersey, Confidential Client/Former Oil Transfer Facility** - Assistant Project Manager conducted an RI and a remedial action at this former petroleum transfer facility. The transfer facility ceased operations in the 1980s, and a majority of the site was left vacant. The investigation consisted of the successful completion of a historic fill argument, the remediation of petroleum-contaminated soil, and preparation of a classification exception area for the groundwater contamination at the site.

**Field Sampling/Investigation, Bayonne, NJ, Confidential Client** - Technical Manager managed a four-person field team involved in an interim remedial investigation at an operating oil refinery and terminal in Bayonne, NJ. The purpose of this investigation was to identify, through representative soil sampling and visual observations, the distribution and concentration of total chromium compounds in the areas of the facility that are known or suspected of containing chromate ore processing residue, and then developing a cost-effective and timely remedial action. The project required the documentation of areas of chromium ore deposits, runoff, and erosional patterns. Responsibilities also included performing a visual assessment around the perimeter of the facility to identify and sample areas of potential chromium/chromate off-site migration.

**ISRA Investigation, RI/FS, Florham Park, NJ, Confidential Client** - Task Manager/APM work at this active specialty steel mill consisted of the installation and sampling of over 800 soil borings. Responsibilities included the daily coordination of four subcontractors, and a 10-person field team to accomplish the project goals while not interfering with plant operations. Additional responsibilities included data review and interpretation to allow for the generation of a "real-time" sampling plan for the following day's activities. The sampling plan was developed to allow the soil borings to serve as in situ post-excavation samples. By utilizing this approach, the remedial action was implemented without the need to collect additional post-excavation samples, a practice which often leads to delays in completion of the remedial measures. The entire RI was completed, and the Remedial Action Work Plan was approved, in a period of less than 18 months. Additionally, operations at the facility, which operated 24 hours per day, were completely unaffected.

**ROBERT GASCOYNE, LSRP, PG**  
**Vice President, Environmental Investigations**  
**Matrix New World Engineering**

**Contamination Assessment, West Deptford, NJ, Confidential Client/Petroleum Terminal** - Technical Manager. Operations at this terminal during its operation had resulted in the presence of several contaminants in the site groundwater. Ownership over the 100-plus-year operational period had changed several times, resulting in contention regarding responsibility as it related to specific contaminants. To determine the approximate percentage of responsibility/liability for the client, a conceptual site model was developed utilizing data from over a 20-year period and assessed to determine the percentage of responsibility for the client. The work was completed in a 4-week period to allow for the transaction to proceed.

**RI/FS, Anderson Air Force Base (AFB), Guam, U.S. Department of Defense (DOD)** - Operable Unit (OU) Manager/Task Manager. Performed and managed a variety of tasks for the RI/FS at this CERCLA site. OU Manager for one of the three OUs, coordinated all on-site activities and communications with the client, local and regional regulatory personnel, and subcontractors. Directed a field team and directed surface and subsurface soil sampling efforts, geophysical surveys, soil gas surveys, groundwater sampling, aquifer characterization, and site inventories/characterizations across seven sites within one OU.

**NJDOT, Proposed Route 21 Freeway Extension Project, Passaic County, NJ** - Project Hydrogeologist performed a groundwater investigation of several properties to determine the condition, source, and remedial technology for chlorinated compounds. The work consisted of the development of a groundwater sampling program to determine if groundwater at the site was contaminated. Following the identification of chlorinated compounds in the groundwater, a groundwater monitoring well installation and monitoring program was set up to determine the source, extent, and potential remedial alternatives for the groundwater. The program was successful in identifying off-site source(s), and arguing that the contamination was naturally attenuating at acceptable rates.

**USACE Picatinny Arsenal Groundwater Investigation, Dover, NJ** - Task Manager/Project Geologist for the groundwater investigation during the Phase II investigation/RI conducted under a \$330 million USACE (Baltimore District) Total Environmental Restoration Contract (TERC). The project consisted of a large-scale RI/FS and RA at several sites within the arsenal with an ultimate goal of remediating the base prior to closure. As Project Geologist, was responsible for the drilling, logging, and construction of over 75 shallow and bedrock monitoring wells. Also assisted in determining the sampling rationales, methods, and locations at several potential AOCs across the site.

**Passaic River Study, Essex County, NJ, EPA Region 2, Oversight Support** - Under the EPA Region 2 Alternative Remedial Contracts Strategy (ARCS) program, ensured compliance by the potentially responsible party's (PRP) contractor of their Remedial Action Work Plan. Audited and documented all field activities during the 3-month field operation, which consisted of sampling over 60 sediment cores from the Passaic River bed. Responsibilities also included weekly communication with the EPA Work Assignment Manager to discuss project progress and compliance.

**SCP Carlstadt, Carlstadt, NJ, EPA Region 2** - As Field Operations Leader for the EPA Region 2 oversight contractor's off-site investigation at this dense nonaqueous phase liquid (DNAPL)-contaminated site, responsibilities included ensuring compliance of the Remedial Investigation Work Plan by the PRP's contractors, and approval of all field decisions and changes in scope based on field conditions. Was also responsible for the preparation of field activity reports, and EPA paperwork associated with oversight activities and split sample collection.

#### **Professional Certifications and Registrations**

Licensed Site Remediation Professional (LSRP), NJDEP (No. 574147, 2009)

Professional Geologist, No. TN-4235, 1997

40-Hour Hazardous Waste Site Training Course, OSHA 29 CFR 1910.120(e)(3), Emilcott Assoc. (1993)

8-Hour Hazardous Waste Refresher Course, OSHA 29 CFR 1910.120(e)(8), WESTON (2012)

8-Hour Managers and Supervisors Course (SHSC), OSHA 29 CFR 1910.120(e)(4), WESTON (1999)

Hazardous Waste Management and Shipping for Environmental Professionals, 40 CFR 265.16, Eduwhere

10-Hour Construction Safety Training, OSHA 29 CFR 1926, WESTON (1999)

**MARIE RASER, P.E. LSRP**  
**Senior Project Manager**  
**Matrix New World Engineering Inc.**

### **Professional Qualifications**

Ms. Raser is a Licensed Professional Engineer in the state of New Jersey, and a New Jersey Licensed Site Remediation Professional (LSRP) with over twenty years of consulting experience in the areas of environmental compliance, solid waste treatment/disposal, soils and ground water investigation and remediation, vapor intrusion investigation and mitigation, project planning, design, and implementation. As a LSRP, Ms. Raser is responsible for the oversight of complex remedial investigation and remedial action projects as well as the preparation and submission of New Jersey Department of Environmental Protection (NJDEP) required reporting, including: remedial investigation and Remedial Action Reports, receptor evaluations, remedial action permit applications, and response action outcomes. Ms. Raser works closely with attorneys, developers, insurance companies and commercial/industrial property owners, as well as representatives of federal (USEPA), state (NJDEP, NYSDEC), local, and municipal authorities as it relates to environmental and engineering issues.

### **Education**

B.S., Chemical Engineering, Polytechnic University of New York, May 1991

### **Professional Experience**

**Teterboro Landing – Teterboro, NJ – Remedial Action/Redevelopment, Project Manager in Charge of Environmental Compliance for Developer/Owner** – Project Manager/Director overseeing environmental compliance on behalf of the property owner during the redevelopment of the 54 acre former Honeywell International Site in Teterboro, NJ, into a mixed use shopping center containing a Walmart, Costco, small retail shops, and an industrial/office complex. Scope of work included interface with the responsible party, LSRP for the responsible party, NJDEP, USEPA, attorneys, tenants and their consultants, and various contractors involved in the redevelopment; review of remedial action work plans including those for TSCA compliance, review of bid packages and construction drawings, development of cost estimates, development and implementation of soil reuse plans, oversight of remedial action implementation and inspections of engineering controls, oversight of design, installation, and verification testing of Sub Slab Depressurization Systems for over 500,000 ft<sup>2</sup> of site buildings.

**Station Village at Avenel, Avenel, NJ - Industrial Site Recovery Act (ISRA) Remedial Investigation, Remedial Action Workplan, Remedial Action Implementation, Environmental Compliance During Redevelopment for Developer/Owner** - Project Manager and LSRP of Record responsible for the remedial investigation, implementation of the remedial action, and environmental compliance during the demolition of the former General Dynamics Site in Avenel, NJ, and its subsequent redevelopment as a mixed use complex including an arts center and residential apartments and townhomes. Scope of work included development of cost estimates used to negotiate an escrow fund to be established by the former property owner for remediation. Developed and implemented Remedial Investigation Workplans, Remedial Action Workplans, plans for the characterization of concrete building materials for reuse and/or disposal. Responsible for oversight of remedial investigation and remedial action, which included the excavation and disposal of over 1,000 tons of F-listed soils and other hazardous materials. Responsible for the rebuild and relocation of the onsite ground water treatment system including review of equipment specifications and drawings, review of subcontractor bids, and construction oversight. Responsibility for reporting associated with Site NJPDES Permit and the continued operation of the on-site ground water treatment system. Review and comment on plans for of Sub Slab Venting System beneath building slabs.

**Industrial Site Recovery Act (ISRA), Toxic Substances Control Act (TSCA), USEPA Application for a Risk Based Disposal Plan for PCBs, Former Industrial Facility, Kearny, New Jersey** – Completion of an Application for a Risk Based Disposal Plan for PCBs with subsequent amendments at a former industrial site in Kearny, New Jersey. Site to be redeveloped as a warehouse. Risk Based Plan allowed for redevelopment as a high occupancy end use (warehouse) with stabilized PCBs remaining in place at concentrations up to 800 ppm. Scope of work included compilation of past remedial investigation and remedial action reporting, development of a pathway analysis and remedial action work plan for the redevelopment.



**MARIE RASER, P.E. LSRP**  
**Senior Project Manager**  
**Matrix New World Engineering Inc.**

**Xchange at Secaucus Junction, Secaucus, NJ – Remedial Investigation, Remedial Action Workplan, Remedial Action Report, Landfill Closure, Remedial Action Permitting, Biennial Reporting** – Project Manager and LSRP of Record responsible for the investigation, remediation, and other compliance issues associated with the redevelopment of the former Gallo landfill into a mixed-use transit village. Scope of work included design and implementation of remedial investigations for soil and ground water, development of a remedial action work plan (with various remedies such as, excavation, capping, monitored natural attenuation, and sub slab depressurization for methane mitigation under all site buildings), oversight of remedial action implementation, review of bid packages and construction drawings, development of cost estimates, development and implementation of soil reuse plans, inspections of engineering controls including methane mitigation system, preparation and submission of a Remedial Action Report, Deed Notice, Classification Exception Area, Remedial Action Permits for soils ground water. Upon approval of the remedial action permits for soil and ground water, continued environmental consulting services including completion of required biennial reporting to NJDEP.

**Towne Center at Englewood, Englewood, NJ – Post Redevelopment Remedial Investigation of Ground Water, Vapor Intrusion Investigation, Remedial Action Report and Issue of Response Action Outcome** - Project Manager and LSRP of Record for the mixed use Towne Center at Englewood. After the completion of the redevelopment, issued an Unrestricted Response Action Outcome for Soils, designed and implemented a remedial investigation for onsite and offsite ground water and onsite and offsite vapor intrusion. Interfaced with developer, property manager, offsite residents and property owners, attorneys, and NJDEP during post development investigation activities. Prepared Remedial Investigation Report, Remedial Action Report, Classification Exception Area, and Application for a Remedial Action Permit for Ground Water. Presented multiple lines of evidence to document two upgradient ground water plumes affecting subject property and downgradient properties allowing for the eventual termination of the ground water Classification Exception Area and associated permit.

**Riverview Court Apartment Complex, Nutley, NJ - Industrial Site Recovery Act (ISRA), Remedial Investigation, Remedial Action, Environmental Compliance During Redevelopment for Developer/Owner** – Project Manager and LSRP of Record responsible for the remedial investigation, remedial action, and environmental compliance during the redevelopment of a former industrial property in Nutley, New Jersey, into a residential apartment complex. Scope of work included development of remedial investigation work plans, remedial action work plans, review of bid packages and construction drawings, development of cost estimates, development and implementation of soil reuse plans during redevelopment, oversight of remedial action implementation and inspections of engineering controls, oversight of design, installation, and verification testing of Sub Slab Depressurization Systems (SSDS) beneath all living spaces in compliance with NJDEP requirements, preparation and submission of a Remedial Action Report, Deed Notice, Remedial Action Permit Application for Soils, and preparation and submission of required biennial reporting to NJDEP.

**Wesley Grove Mixed Use Redevelopment, Asbury Park, NJ – Post Redevelopment Remedial Investigation and Remedial Action Reporting, Vapor Intrusion Investigations, Remedial Action Permit Applications for Soil and Ground Water, and Response Action Outcome** - Project Manager and LSRP of Record for the mixed use Wesley Grove Townhomes and associated retail space in Asbury Park. After the completion of the redevelopment, completed Deed Notice and Application for Remedial Action Permit for Soils, and, upon approval of the permit, issued Response Action Outcome. Designed and implemented a remedial investigation for ground water and vapor intrusion. Interfaced with developer, property manager, property owners, attorneys, and NJDEP during post development investigation activities. Prepared Remedial Investigation Report, Remedial Action Report, Classification Exception Area, and Application for a Remedial Action Permit for Ground Water. Upon approval of the Remedial Action Permits for soil and ground water, continued environmental consulting services including annual remediation cost reviews and completion of required biennial reporting to NJDEP.

**Preliminary Assessment and Unrestricted Response Action Outcomes for Asbury Park Convention Center and various properties along Asbury Park Boardwalk, Asbury Park, NJ** –Project Manager and LSRP of Record for a number of properties along the Asbury Park Boardwalk. Completed Preliminary Assessments and Site Wide Unrestricted Response Action Outcomes to close cases opened erroneously by prior environmental consultant.

**MARIE RASER, P.E. LSRP**  
**Senior Project Manager**  
**Matrix New World Engineering Inc.**

**Remedial Investigation, Remedial Action, Remedial Action Permit, and Response Action Outcome – Operating Manufacturing Plant, Commercial Township, NJ** – Facilitated closure of two 20+ year old NJDEP spill cases through interface with plant personnel, NJDEP, review of historic plant drawings, and completion of minimal site investigation activities. Cases closed to the satisfaction of NJDEP and Unrestricted Response Action Outcomes issued.

**Preliminary Assessment, Remedial Investigation, Remedial Action, and Unrestricted Response Action Outcomes for various city blocks within the City of Asbury Park, NJ** - Project Manager and LSRP of Record responsible for the investigation and remedial action of a number of blocks within the City of Asbury Park, NJ in preparation for redevelopment. Scope of work included preparation of a Preliminary Assessment, development of remedial investigation work plans for soils and ground water, remedial action work plans, oversight of remedial action activities including removal of Underground Storage Tanks (USTs) and impacted soils, preparation and submission of a Remedial Action Report and Site Wide Unrestricted Response Action Outcomes.

**Industrial Site Recovery Act (ISRA), Preliminary Assessment, Remedial Investigation, Remedial Action, Remedial Action Permit, and Response Action Outcome – Former Paint Manufacturer, Hawthorne, NJ** – Project Manager and LSRP of Record for a former paint manufacturer. Scope of work included completion of a Preliminary Assessment, development of remedial investigation work plans, development of cost estimates, preparation and submission of a Remedial Action Report, Deed Notice, and Remedial Action Permit Application for Soils. Preparation of Classification Exception Area related to Historic Fill to be managed by NJDEP. Issue of a Site Wide Response Action Outcome to prepare the property for redevelopment.

#### **Professional Certifications and Registrations**

New Jersey Professional Engineer No. GE42901, 2001

Licensed Site Remediation Professional (LSRP), New Jersey Department of Environmental Protection (No. 576547, 2009)

40-Hour Hazardous Waste Site Training Course, OSHA 29 CFR 1910.120 (2000)

QPswppp – Qualified Preparer of Storm Water Pollution Prevention Plans – New Jersey (2015)

QCIS - Qualified Compliance Inspector of Storm Water - New Jersey (2015)

## SECTION 4

## Passaic Department of Public Works Garage City of Passaic, New Jersey

### PURPOSE OF CONTRACT

Matrix New World Engineering (Matrix) was retained to provide Licensed Site Remediation Professional (LSRP) services for the former regulated underground storage tanks (USTs) at the Department of Public Works. The scope of work included LSRP retention, file review and the preparation and implementation of a soil and groundwater remedial investigation program. Services also included correspondence with the New Jersey Department of Environmental Protection (NJDEP) to update the NJDEP's UST Facility Registration files and correct their database regarding a UST associated with Passaic City Hall.

Pending work includes soil, groundwater, vapor intrusion, and light non-aqueous phase liquids (LNAPL) recovery.



### CLIENT

City of Passaic  
330 Passaic Street, 2<sup>nd</sup> Floor  
Passaic, NJ 07055

### CONTACT

Doris Dudek  
(973) 365-5597  
ddudek@cityofpassaicnj.gov

### SERVICES PROVIDED

Site Remediation Services

### DURATION

September 2014 to Present

### KEY PERSONNEL

Rose DeLorenzo, CHMM, LSRP  
Edward Sullivan, LSRP  
Steven Rozek



## Licensed Site Remediation Professional (LSRP) Services – Confidential Utility Client Multiple Sites in New Jersey

### PURPOSE OF CONTRACT

These Confidential Client sites are part of a major infrastructure upgrade project located throughout New Jersey. Based on due diligence prepared by others, there are numerous project sites located within areas of mapped historic fill material and other Known Contaminated Sites that are regulated by the NJDEP. Matrix was retained to replace another LSRP and worked closely with Client to ensure a smooth transition.

Matrix's responsibilities include providing oversight during field construction activities to monitor the Contractors and to ensure that all waste streams are being handled in accordance with the approved Materials Management Plans. Matrix is also performing site inspections, screening excavated soil with a photoionization detector and performing perimeter air monitoring using portable air monitoring equipment. Matrix obtains copies of all waste manifest forms and reconciles the quantities of materials removed against the Contractors invoices. By working closely with the Client, Matrix is able to identify cost-effective disposal options, address issues in the field as they occur, and provide proactive solutions to potential issues resulting in a cost savings for the Client.

A Matrix LSRP is responsible for the overall management of environmental issues associated with the linear construction project. Matrix's LSRP provides technical support to the Client managers, construction managers and Contractor's and assists in the handling of spills, underground storage tank removals, where applicable and all other environmental issues encountered on a daily basis. Matrix has also developed a tracking spreadsheet to log each waste shipment and will prepare a Final Linear Construction Report to be signed by Matrix's LSRP in accordance with NJDEP regulations and guidance upon completion of the project.

### CLIENT

---

Confidential Utility Client

### CONTACT

---

Confidential Utility Client

### COST

---

\$750,000

### DURATION

---

Ongoing

### KEY PERSONNEL

---

Robert Meisner, PE, LSRP  
Michele Skierski  
Marc Baumann  
Samantha Adler  
Melissa Clelland



## Project Feasibility, Ecological Modeling & Ecological Risk Assessment Coal Ash Storage Facility Delaware River, New Jersey

### PURPOSE OF CONTRACT

As part of Matrix's comprehensive services in support of site remediation at a relic power facility, we performed a feasibility study and ecological risk assessment in support of mitigating the risks of the facility's coal storage and rail siding facilities. The facility, located on the banks of the Delaware River, presents a risk to sensitive terrestrial and aquatic habitats. Matrix's scope of work for the effort includes the following:

- Sediment, benthic and water quality sampling
- Ecological Risk Assessment
- T&E Evaluation
- UST Closure
- LSRP Management
- Monitoring Well installations

Matrix's work culminated in recommendations for project engineering controls and remediation of impacted sediments to control client risk and protect sensitive wildlife on the Property.

### CLIENT

Lightship Engineering/Reliant Energy

### CONTACT

Brian LaPierre  
(508) 830-3344

### COST

\$240,000

### DURATION

2013 - Ongoing

### KEY PERSONNEL

Thomas DeMichelle, LSRP  
Robert Fiorile  
Rejina Sharma  
Frank Barlowski, PLS



## Township of West Orange, New Jersey LSRP Environmental Services Former Underground Storage Tanks

### PURPOSE OF CONTRACT

Matrix is engaged by the Township of West Orange, New Jersey, Department of Public Works, Division of Engineering, to provide New Jersey Licensed Site Remediation Professional (LSRP) environmental services for the Fire Department Headquarters, First Aid Squad and Dogwood Pump Station properties located within the Township limits. These environmental projects include soil and groundwater site investigation (SI) activities associated with the former underground storage tanks (USTs).

As part of the scope of work, Matrix expedited the SI activities and reporting and submitted a *Site Investigation Report* to meet the New Jersey Department of Environmental Protection (NJDEP) requirements for the *Remedial Investigation Extension Request* for the May 7, 2014 RI deadline. The fieldwork and NJDEP submission for all three Sites was completed within six weeks. The work also included public notification and an ecological evaluation.

The work was completed in accordance with the Site Remediation Reform Act (SRRA), N.J.S.A 58:10C-1 et seq., the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS), N.J.A.C. 7:26C, the Technical Requirements for Site Remediation (TRSR), N.J.A.C. 7:26E, the *Underground Storage Tank (UST) Regulations*, N.J.A.C. 7:14B-1-13 and 15 and applicable NJDEP Guidance Documents. Based on the SI, further investigation is required to determine the extent of petroleum contamination associated with former UST discharges.

### CLIENT

Township of West Orange  
66 Main Street  
West Orange, NJ 07052

### CONTACT

Leonard Lepore, PE  
(973) 325-4160

### COST

\$85,000

### DURATION

2014 - Present

### KEY PERSONNEL

Rose V. DeLorenzo, CHMM, LSRP  
Brian Stabile  
Allison May





## Bildee Corporation dba Dressler's Citgo Underground Storage Tank Closure 65 Leonardville Road Belford, New Jersey

### PURPOSE OF CONTRACT

Matrix successfully obtained a grant awarded through the Petroleum Underground Storage Tank Remediation, Upgrade and Closure Fund (PUST Fund) administered by the New Jersey Economic Development Authority (NJEDA). The grant, administered by the New Jersey Department of Environmental Protection (NJDEP) Bureau of Contract and Fund Management (BCFM), was awarded to Bildee Corporation for the closure of three, 8,000-gallon unleaded gasoline Underground Storage Tanks (USTs) and the soil and groundwater remediation of petroleum discharges from the former USTs at the Site.

The environmental activities are completed under the direct oversight of Matrix's New Jersey Licensed Site Remediation Professional (LSRP). During January 2012, Matrix retained a subcontractor to perform UST closure activities, including uncovering, emptying and removal of USTs and associated piping. Prior to implementation of soil remediation, Matrix completed in-situ pre-remediation concrete sampling for concrete disposal. A total of 800 tons of petroleum-impacted soil was excavated and disposed off-site. Upon completion of post-excavation soil sampling, in-situ remediation activities were completed that included a single application of RegenOx, chemical oxidant (1,800 pounds of RegenOx Part A and 900 pounds of RegenOx Part B) followed by a single application of ORC Advanced, biological oxidant (900 pounds of ORC Advanced) via open excavation method. The purpose of the RegenOx compound is to supply a controlled release of oxygen to the subsurface to accelerate the rate of naturally occurring aerobic biodegradation. After application of RegenOx, ORC Advanced was mixed and evenly applied into the excavation during backfilling activities.

The post-excavation soil sampling results proved the remediation to be effective. The post-excavation groundwater results indicated that the concentrations in groundwater were reduced by greater than 80% and are almost at the New Jersey Department of Environmental Protection (NJDEP's) groundwater quality standards (GWQS). Bildee Corporation is waiting for additional funding to continue groundwater monitoring. Upon completion of the groundwater investigation activities, Matrix's LSRP will issue an unrestricted Response Action Outcome for all USTs at the Site.

### CLIENT

New Jersey Economic  
Development Authority

### CONTACT

David Posey  
NJDEP, BCFM  
(609) 984-1355

### COST

\$260,000 (Matrix Fee)

### DURATION

Ongoing

### KEY PERSONNEL

Thomas DeMichele, LSRP  
Rose DeLorenzo, CHMM, LSRP  
Mark Sprengel



## Township of Maplewood Environmental Services Maplewood, New Jersey

### PURPOSE OF CONTRACT

Matrix was engaged by the Township of Maplewood, New Jersey, Engineering Department to provide environmental services for various sites located within the Township. These environmental projects include the investigation of sites with contaminated soil and groundwater resulting from leaking underground storage tank (UST) systems, conducting due diligence investigation activities associated with property acquisitions, conducting hazardous materials surveys, conducting oversight of asbestos abatement activities in Township buildings, and performing remedial design and construction of LNAPL recovery systems.

Matrix is currently providing ongoing monitoring and remediation services associated with groundwater contamination at the Department of Public Works (DPW) garage. Matrix investigated and identified the source of petroleum contamination at the DPW, conducted **multi-phase extraction** to remove vapors and contaminated liquids in order to reduce contaminant concentrations in soil and groundwater, and made recommendations for further remedial actions at the site. In addition, Matrix conducted UST removal, investigation and reporting activities associated with two waste oil USTs at the DPW and prepared design specifications for bidding purposes for the abandonment and replacement of an oil/water separator associated with the DPW garage.

Matrix conducted UST removal and investigation services associated with a leaking heating oil UST located at a park shelter. During the investigation, free product was encountered in the groundwater adjacent to the UST. Subsequent remedial investigation activities determined that soil and groundwater contamination was limited to a small area and did not extend below the existing shelter building and former shelter porch. Additional activities conducted by Matrix included the installation and periodic sampling of monitoring wells and the recovery of free product from the groundwater. Proposed remedial activities, which were approved by the NJDEP, will include multi-phase extraction of vapors and contaminated liquids.

Matrix conducted UST removal and investigation activities associated with the construction of a new police station on the site of former jewelry manufacturer. During construction activities, several unknown USTs were identified and were removed with emergency approval from the NJDEP; thereby allowing construction to continue. Matrix received a No Further Action from the NJDEP for the entire site.

Matrix provided Phase I and Phase II Environmental Site Assessment (ESA) with regard to the former Maplewood Police Station. The Phase I ESA was prepared in accordance with ASTM 1527E-05. Based on the findings in the Phase I ESA, a Phase II investigation was conducted in the area of potential areas of concern including existing inactive underground storage tanks (USTs)

### CLIENT

Township of Maplewood  
574 Valley Street  
Maplewood, NJ 07040

### CONTACT

Thomas Malavasi, PE  
(973) 762-8120

### COST

\$400,000 (Matrix Fee)

### DURATION

2004 - Ongoing

### KEY PERSONNEL

Dennis Petrocelli, PG  
Thomas DeMichele, LSRP



# MATRIXNEWORLD

and an area with potential historic fill material. Under NJDEP's LSRP program, Matrix supervised removal of the USTs and conducted remedial investigation activities to characterize groundwater and determine the extent of soil contamination in the area of the former USTs and within the fill area. Proposed remedial actions will include the excavation and off-site disposal of contaminated soil and establishment of a Classification Exception Area (CEA) for groundwater.

Matrix provided quick turnaround investigation services with regard to The Township's Green Acres application for improvements at DeHart Park. Specific activities included reviewing historic mapping to determine the location of former greenhouses on the site, preparation of a soil sampling plan for pesticides, lead and arsenic, and performance of soil investigation activities. Analytical results did not identify any contaminants of concern above soil remediation standards. The results of the investigation were accepted by the NJDEP; thereby allowing the Township to proceed with the project.

Matrix provided Phase I and Phase II ESA services with regard to the Township's proposed acquisition of a vacant parcel of land on Springfield Avenue. Based on the Phase I ESA, it was noted that current and former operations on several adjacent and surrounding properties could impact the subject property. Based on the results of subsequent Phase II investigation activities, it was determined that groundwater on the subject property was impacted with gasoline constituents (e.g., benzene, xylenes, MTBE, TBA) significantly above groundwater quality standards. As a result of the investigation, the Township chose not to acquire the property.

Matrix served as the Asbestos Safety Control Monitor (ASCM) firm in accordance with the requirements of N.J.A.C. 5:23-8 for asbestos abatement projected associated with the Maplecrest Shelter, two Public Libraries, and the Municipal Building. As part of these services, Matrix prepared plans, specification, and the associated permit packages.





## Town of Harrison – Town Garage Regulated Underground Storage Tank Closure Harrison, New Jersey

### PURPOSE OF CONTRACT

Matrix was contracted by the Town of Harrison to provide Licensed Site Remediation Services (LSRP) for the removal of two regulated underground storage tanks (UST), including one 2,500-gallon unleaded gasoline UST and one 5,000-gallon medium diesel fuel UST on the Town Garage's property located at 111 Sussex Road.

The environmental activities were completed under the direct oversight of Matrix's LSRP. During April 2016, Matrix oversaw the New Jersey Department of Environmental Protection (NJDEP) licensed contractor (retained by Harrison) to perform the UST closure activities that included the uncovering, emptying and removal of the USTs and associated piping.

After the completion of the removal activities, post-excavation sampling was conducted to determine if petroleum contamination impacted soils at the Site. Post-excavation samples were submitted to a New Jersey licensed environmental laboratory for analysis of extractable petroleum hydrocarbons (EPH) and volatile organic compounds (VOCs). Based on the analytical results, no petroleum impacted soils were observed at the Site. The excavation was backfilled with certified clean fill to grade.

An Unrestricted Use, Area of Concern, Response Action Outcome for the two recently removed USTs is pending.

### CLIENT

Town of Harrison  
318 Harrison Avenue  
Harrison, NJ 07029

### CONTACT

Robert Van Riper, Superintendent  
(973) 647-0993

### COST

\$5,400 (Matrix Fee)

### DURATION

April – June 2016

### KEY PERSONNEL

Rose DeLorenzo, CHMM, LSRP  
Mark Sprengel  
Allison May



## Township of Montclair Environmental Services Montclair, New Jersey

### PURPOSE OF CONTRACT

Matrix is engaged by the Township of Montclair, New Jersey, Engineering Department to provide environmental services for the Township Department of Public Works (DPW), Police Yard property located within the Township limits. These environmental projects include the closure and remediation of soil from the underground storage tanks (USTs) as well as the on-going investigation of these sites with contaminated soil and groundwater resulting from leaking regulated UST) systems.

Matrix is currently providing ongoing monitoring and remediation services associated with soil contamination at the DPW garage. Matrix evaluated and is presently investigating the remaining residual petroleum contamination issues at the DPW to receive a Response Action Outcome for the remaining USTs at the DPW garage.

Matrix is also assisting the Township with the former USTs associated with the Police Yard. This included the evaluation of the status of all of the former USTs. Investigation activities include groundwater sampling, a possible vapor intrusion investigation and multi-phase extractions to remove vapors and contaminated liquids in order to reduce contaminant concentrations in soil and groundwater.

In addition, Matrix was recently retained for emergency UST services when two USTs were discovered during a sidewalk and street renovation project. These services included a same day site visit to assess the newly discovered USTs, coordination and scheduling with a UST-certified contractor, coordination with the Township and contractor, and expedited UST closure activities to avoid costly project delays. Matrix's team successfully completed the closure and soil remediation activities in one day within a week of discovery.

Matrix also completed a soil site investigation on a 15.5-acre former farmland as part of the Township's requirement to acquire funding through the Green Acres Program for the rehabilitation of Edgemont Park Pond.

### CLIENT

---

Township of Montclair  
219 North Fullerton Avenue  
Montclair, NJ 07042

### CONTACT

---

Kimberli Kraft, PE  
(973) 509-5707

### COST

---

\$132,000 to-date

### DURATION

---

April 2011 - Present

### KEY PERSONNEL

---

Thomas DeMichele, LSRP  
Rose DeLorenzo, CHMM, LSRP  
Mark Sprengel





## County of Middlesex, New Jersey Tank Management Program & Hydrogeologic Services

### PURPOSE OF CONTRACT

Matrix was retained by the County of Middlesex to administer the engineering and environmental aspects of the maintenance of underground storage tanks (UST) and above-ground storage tanks (AST) at multiple locations including County garages, abandoned sites, and parks. Matrix also provided geotechnical engineering, geotechnical laboratory testing, and hydrogeologic consultation for several other County projects.

This contract, which is renewed on a yearly basis, involved the decommissioning and investigation of existing UST systems. All work performed by Matrix and their subcontractors was completed in accordance with NJDEP regulations and commonly-accepted engineering and environmental practices. Where impacts from decommissioned tanks have not affected the underlying soil and groundwater, Matrix submitted a report requesting that NJDEP de-list the USTs from their records. Where impacts have been identified during removal activities, soil, groundwater, and/or free product has been removed and disposed offsite with all activities and proposals for additional work outlined in a report for submittal to NJDEP. Sites with identified impacts have undergone site assessments, remedial investigations, and remediation of soil and/or groundwater. In most cases, the sites have required subsurface investigations, hydrogeologic studies, and design of remedial treatment systems to mitigate soil and groundwater impacts. Investigative work has typically involved the advancement of soil borings, completion of soil gas surveys, and collection of soil samples at multiple depths to determine the vertical and horizontal extent of impacts resulting from discharges from the former UST systems.

Installation and sampling of monitoring wells, collection of groundwater samples via Geoprobe techniques, and implementation of long-term monitoring programs have been completed to evaluate and define the extent of groundwater impacts. Matrix also conducted baseline ecological evaluations (BEE) to address actual impacts or the potential for adverse ecological effects resulting from discharges at the sites. Based on the results of the various investigative work, a remediation strategy has been developed for implementation at impacted sites. This has included the design and implementation of enhanced fluid recovery events, ORC injection, peroxide injection, and quarterly monitoring of natural attenuation.

Matrix's reporting responsibilities included the evaluation and quality assurance/quality control of the data collected, coordination and management of subcontractors, execution of field operations, coordination between NJDEP and the County, and preparation and submission of written reports to NJDEP on behalf of the County. The reports, which are prepared in accordance with NJDEP guidelines, discuss and document the previous

### CLIENT

County of Middlesex  
75 Bayard Street  
New Brunswick, NJ 08901

### CONTACT

Joseph Valdes, PE  
(732) 745-7253

### COST

\$200,000 per year (estimate)

### DURATION

1996 - 2010

### KEY PERSONNEL

Tom DeMichele, LSRP



studies performed, the surface and subsurface setting of the site, sampling methodology, laboratory methodology, results of laboratory analyses, comparison of data to applicable NJDEP standards and guidelines, and recommendations for future action(s), as necessary.

One of the projects assigned to Matrix involved the completion of a hydrogeologic investigation pursuant to the requirements of a NJPDES Discharge to Groundwater permit application to discharge landfill leachate into a shallow coastal plain groundwater aquifer. The landfill consisted of dredged sediment obtained from a nearby lake with the leachate contaminant of concern being mercury. This project included the collection and evaluation of aquifer test data to estimate hydraulic conductivities in the unsaturated and saturated zones; estimation of groundwater flow direction and gradient; the application of the Hydrogeologic Evaluation of Landfill Performance (HELP) model to estimate leachate volume and rate of infiltration into the aquifer; the application of the Method of Characteristics (MOC) solute transport model for contaminant transport simulation; a feasibility study to determine the potential of relocating an existing potable artesian spring within the vicinity of the landfill; and the preparation of technical reports pursuant to the requirements of the NJDEP.

Hydrogeologic project field activities completed by Matrix included a test pit investigation utilizing a backhoe; advancement of three soil borings utilizing a hollow stem auger drill rig and subsequent installation of groundwater monitoring wells; a shallow soil boring investigation utilizing geoprobe techniques; soil logging and classification; unsaturated zone permeability tests utilizing a falling head test; aquifer pump tests utilizing a pressure transducer and data logger; collection of soil samples for geotechnical laboratory testing; and collection of groundwater samples for analytical laboratory testing.

Matrix's geotechnical laboratory tested representative soil samples obtained from the sampling program. Geotechnical soil tests completed by Matrix included grain size distribution and moisture content completed in accordance with ASTM D422 and ASTM D4959, respectively. Matrix generated soil grain-size distribution curves and used the data to support field-determined permeabilities and estimated hydraulic conductivities.

## County of Union, New Jersey Environmental Services Tank Management Program

### PURPOSE OF CONTRACT

As a result of federal and state regulations governing underground storage tanks (UST), the County of Union, New Jersey initiated a UST Management Program of 70 UST systems at 28 separate facilities. Matrix was retained by the County to administer the engineering and environmental aspects of this program. Additionally, Matrix has provided expert witness support to the County in an ongoing civil action with several insurance companies regarding UST policies.

### DESCRIPTION OF CONTRACT SERVICES

The first phase of this contract involved the inventory, assessment, and prioritization of UST systems to determine the order in which they should be addressed. Bid packages for removal and/or abandonment-in-place of existing UST systems, upgrade of existing UST systems, and installation of new UST systems have been prepared. These packages have included detailed drawings, applicable regulatory and legal information/requirements, bonding information, manufacturers' specifications, and estimated material quantities. Bid packages were produced and distributed by Matrix. Received bids were then revised by Matrix for technical, budgetary, and regulatory responsiveness resulting in the recommendations of the most competitive and competent contractors to the County. Matrix also submitted UST closure plans to NJDEP for all decommissioning activities.

The second phase of this contract has involved the decommissioning, upgrading, and/or replacement of existing UST systems. All work performed by Matrix and their subcontractors has been completed in accordance with NJDEP regulations, manufacturers' specifications, and commonly-accepted engineering and environmental practices. Where impacts from decommissioned tanks have not affected the underlying soil and groundwater, Matrix submitted a report requesting that NJDEP de-list the USTs from their records. Where impacts have been identified during removal activities, soil, groundwater, and/or free product has been removed and disposed of offsite with all activities and proposals for additional work outlined in a report for submittal to NJDEP.

The third phase of this contract involved the execution of UST site assessments, remedial investigations, and remediation of soil and/or groundwater. In most cases, the sites have required subsurface investigations, hydrogeologic studies, and design of remedial treatment systems to mitigate soil and groundwater impacts. Investigative work typically involved the advancement of soil borings, completion of soil gas surveys, and collection of soil samples at multiple depths to determine the vertical and horizontal extent of impacts resulting from discharges from the former UST systems. Additionally, installation and sampling of monitoring wells, collection of groundwater samples via Geoprobe techniques, and implementation of long-term monitoring programs have been completed to evaluate and define the extent of groundwater impacts. Matrix also conducted baseline ecological evaluations (BEE) to address actual impacts

### CLIENT

County of Union  
New Jersey

### CONTACT

County Engineer  
(908) 789-3675

### COST

\$1.6M through 12/02

### DURATION

1992 - Present

### KEY PERSONNEL

Thomas DeMichele, LSRP

or the potential for adverse ecological effects resulting from discharges at the sites. Based on the results of the investigative work, a remediation strategy was developed for implementation at impacted sites. This included the design and implementation of a groundwater pump and treat system, enhanced fluid recovery events, ORC injection, and quarterly monitoring of natural attenuation.

Matrix's reporting responsibilities included the evaluation and quality assurance/quality control of the data collected, coordination and management of subcontractors, execution of field operations, coordination between NJDEP and the County, and preparation and submission of written reports to NJDEP on behalf of the County. The reports, which are prepared in accordance with NJDEP guidelines, discuss and document the previous studies performed, the surface and subsurface setting of the site, sampling methodology, laboratory methodology, results of laboratory analyses, comparison of data to applicable NJDEP standards and guidelines, and recommendations for future action(s), as necessary.

Matrix has provided assistance and expertise to the County's legal department in their efforts to recover insurance and other funds to finance remediation efforts. This has consisted of the preparation of Expert Reports for eight sites which have included a comprehensive site history based on work conducted and documented by Matrix a review of work conducted and documented by other environmental consultants, and directives from NJDEP through correspondence with the County. Additionally, the reports included opinions on the discharges to soil and groundwater beneath the site resulting from the former USTs. These opinions were based on chemical fingerprinting analyses, fate and transport modeling, and calculation of corrosion rates. Detailed past and future costs, by site, also were developed. Matrix provided fact and expert witnesses for deposition, on an as-needed basis.

Matrix's overall project management responsibilities have consisted of establishing a project management team for each site with clearly identified areas of civil engineering and environmental responsibilities, utilizing time line project management software to track and prioritize tasks for multi-site and multi-task projects, and tracking budgets and schedules for the sites.

## Township of Livingston Environmental Services Livingston, New Jersey

### PURPOSE OF CONTRACT

Matrix is engaged by the Township of Livingston Engineering Department to provide environmental services for various sites located within the Township. The environmental services included the investigation and remediation of the Townships two former regulated underground storage tanks (USTs) and a former electronic component manufacturing facility as well as conducting an asbestos containing materials (ACM) survey.

At the Township's Police Headquarters, Matrix is providing environmental services under a New Jersey Licensed Site Remediation Professional (LSRP) that included the investigation of soil, monitoring well installations and the remediation of groundwater associated with former UST discharges and made recommendations for further remedial actions at the site.

Matrix's provided surveying services for the newly-installed monitoring wells at the site.

Matrix was also retained and is providing LSRP services for the investigation of a former electronic component manufacturing facility currently owned by the Township of Livingston for use as athletic field. Specific investigation activities include a file review and site reconnaissance to determine potential areas of concern on the property. An investigation workplan is being prepared to determine if TCE and PCE are present in soil and shallow groundwater at the site that may impact the deeper aquifer and nearby Township water supply wells.

Matrix provided quick turnaround investigation services with regard to completing an asbestos containing materials survey for the pending demolition project of former residence and detached garage. The work included an asbestos survey and associated sampling of the suspected ACM.

Matrix is currently providing ongoing monitoring and remediation services associated with soil and groundwater contamination at the Township's Police Headquarters and is presently assisting the Township with the former electronic component manufacturing facility. Matrix also assists the Township with maintaining compliance associated with these environmental projects.

### CLIENT

Township of Livingston

### CONTACT

Richard Calbi, Jr., PE  
(973) 535-7950

### COST

\$78,000 (Matrix Fee)

### DURATION

2010 - Ongoing

### KEY PERSONNEL

Thomas DeMichele, LSRP  
Rose DeLorenzo, CHMM, LSRP  
Mark Sprengel





## Totowa Heights Service Center Groundwater Investigation and Remediation 600 Union Boulevard Totowa, New Jersey

### PURPOSE OF CONTRACT

Matrix successfully obtained a grant awarded through the Petroleum Underground Storage Tank Remediation, Upgrade and Closure Fund (PUST Fund) administered by the New Jersey Economic Development Authority (NJEDA). The grant, administered by the New Jersey Department of Environmental Protection (NJDEP) Bureau of Contract and Fund Management (BCFM), was awarded to Ms. Katherine Stratos for the groundwater investigation of petroleum discharges from the leaded gasoline UST system at the Site.

The environmental investigation and activities are completed under the direct oversight of Matrix's New Jersey Licensed Site Remediation Professional (LSRP). During this phase of work, Matrix successfully completed the installation of five additional monitoring wells including three off-site wells two overburden and one bedrock well. Matrix successfully obtained off-site access from a private property owner as well as Passaic County. Matrix coordinated traffic control to ensure that the monitoring well installation activities were completed without delays.

Groundwater sampling is pending to determine if the newly-installed wells will determine the horizontal and vertical extent of volatile organic compounds (VOCs) in groundwater migrating from beneath the Site.

In addition, a Multi-Phase Recovery (MPR) event is also pending. MPR is a remediation technique where vapors and impacted groundwater are extracted from the site and separated. Impacted groundwater is transported off site for disposal in accordance with local, state and federal regulations, while treating vapor phase hydrocarbons using an internal combustion engine.

Pending activities include further groundwater delineation and remediation activities and groundwater sampling to be completed in a future grant supplement.

Upon completion of the groundwater investigation activities, Matrix's LSRP will issue a Response Action Outcome for the discharge associated with the UST system at the Site.

### CLIENT

New Jersey Economic  
Development Authority

### CONTACT

David Posey  
NJDEP, BCFM  
(609) 984-1355

### COST

\$86,500 (Matrix Fee)

### DURATION

Ongoing

### KEY PERSONNEL

Thomas DeMichele, LSRP  
Rose DeLorenzo, CHMM, LSRP  
Mark Sprengel



## City of Trenton Brownfield Properties Trenton, New Jersey

### PURPOSE OF CONTRACT

Matrix is an on-call contractor for the City of Trenton. Matrix has provided environmental services including Preliminary Assessments and scope of work summaries and cost proposals for Phase II Environmental Site Assessments (ESAs) for properties owned by the City of Trenton. The Preliminary Assessments included on-site physical inspection, federal and state database searches, local municipal file reviews, historic Sanborn Map, aerial photograph, topographic map, and city directory reviews, and report preparation.

The Preliminary Assessments were performed in accordance to New Jersey Administrative Code (NJAC) 7:26E - *Technical Requirements for Site Remediation (TRSR)*. Identified areas of environmental concern were mapped using ArcView GIS. Additionally, a review of data residing in New Jersey's Environmental Management System (NJEMS) was conducted using ArcView GIS to determine if the subject property was included on various environmental databases including Groundwater Contamination Areas, Classification Exception Areas, Known Contaminated Sites (2005), Deed Notice Areas, and Public Community Water Supply Wells. Scope of work summaries and cost proposals were provided to the City of Trenton based on the results of the Preliminary Assessments.



### CLIENT

City of Trenton

### CONTACT

J.R. Capasso  
Brownfields Coordinator  
(973) 470-5793

### COST

\$6,800 (Matrix Fee)

### DURATION

2008 - 2011

### KEY PERSONNEL

Jody Mack

## Bill's Service Center Groundwater Investigation 2240 Woodbridge Avenue Edison, New Jersey

### PURPOSE OF CONTRACT

Matrix successfully obtained approval of a grant awarded through the Petroleum Underground Storage Tank Remediation, Upgrade and Closure Fund (PUST Fund) administered by the New Jersey Economic Development Authority (NJEDA). The grant, administered by the New Jersey Department of Environmental Protection (NJDEP) Bureau of Contract and Fund Management (BCFM), was awarded to Mr. John Micklos for the groundwater investigation of petroleum discharges from the former gasoline USTs at the Site. Presently, Mr. Micklos is waiting for funding from the NJEDA that is expected shortly.

The pending environmental investigation and activities that are approved will be completed under the direct oversight of Matrix's New Jersey Licensed Site Remediation Professional (LSRP). During this phase of work, Matrix will complete a groundwater remedial investigation at the Site. This scope of work will include the installation of a replacement monitoring well, oversight of monitoring well installation followed by groundwater sampling. Additional tasks include Public Notification and a Vapor Intrusion Investigation, if required.

Upon completion of the groundwater investigation activities, Matrix's LSRP will issue a Response Action Outcome for groundwater tem at the Site.

### CLIENT

---

New Jersey Economic  
Development Authority

### CONTACT

---

David Posey  
NJDEP, BCFM  
(609) 984-1355

### COST

---

\$36,500 (Matrix Fee)

### DURATION

---

Ongoing

### KEY PERSONNEL

---

Thomas DeMichele, LSRP  
Rose DeLorenzo, CHMM, LSRP  
Mark Sprengel



Report a problem Image Date: August 2009



## Johnson's Service Center Soil and Groundwater Investigation & Remediation 112 Passaic Street Hackensack, New Jersey

### PURPOSE OF CONTRACT

Matrix successfully obtained approval of a grant awarded through the Petroleum Underground Storage Tank Remediation, Upgrade and Closure Fund (PUST Fund) administered by the New Jersey Economic Development Authority (NJEDA). The grant, administered by the New Jersey Department of Environmental Protection (NJDEP) Bureau of Contract and Fund Management (BCFM), was awarded to Mr. John Johnson for the soil and groundwater investigation of petroleum discharges from the former gasoline and waste oil USTs at the Site. Presently, Mr. Johnson is waiting for funding from the NJEDA that is expected in fall 2012.

The environmental investigation and activities that are approved will be completed under the direct oversight of Matrix's New Jersey Licensed Site Remediation Professional (LSRP). During this phase of work, Matrix will complete soil and groundwater remedial investigation activities at the Site. This scope of work will include obtaining off-site access for the installation of monitoring wells, oversight of monitoring well installation followed by groundwater sampling. Interim groundwater remediation efforts through a Multi-Phase Recovery (MPR) will also be completed.

Upon completion of the groundwater investigation activities, Matrix's LSRP will issue a Response Action Outcome for the discharge associated with the UST system at the Site.

### CLIENT

---

New Jersey Economic  
Development Authority

### CONTACT

---

David Posey  
NJDEP, BCFM  
(609) 984-1355

### COST

---

\$80, 500 (Matrix Fee)

### DURATION

---

Ongoing

### KEY PERSONNEL

---

Thomas DeMichele, LSRP  
Rose DeLorenzo, CHMM, LSRP  
Mark Sprengel



## Oasis Ford Environmental Services 3698 Rt. 9 South Old Bridge, New Jersey

### PURPOSE OF CONTRACT

Matrix provided environmental and regulatory compliance services for environmental investigations at an automotive service department in Old Bridge, New Jersey. Several environmental investigations were completed at the site in 2008 by a separate consultant, including a Phase I Environmental Site Assessment (ESA) and a Phase II Limited Subsurface Investigation. The previous investigations identified volatile organic compounds (VOCs) at concentrations in excess of New Jersey Department of Environmental Protection's (NJDEP's) soil cleanup criteria and groundwater quality standards. The service department was active and remained active throughout the investigation.

Matrix duties included the transitioning the site into the NJDEP's Licensed Site Remediation Professional (LSRP) program and the performance of additional investigation and remediation duties. Matrix prepared all documents required under the LSRP program. In addition, Matrix installed soil borings and temporary groundwater monitoring wells to delineate the horizontal and vertical extent of contamination. A sub-slab vapor study was also completed. All remedial investigations were conducted to assess the impacts of contamination related to the USTs through sampling and laboratory analysis.

Soil borings were advanced to delineate the horizontal and vertical extent of soil contamination surrounding the area of concern (AOC). Upon delineation of the extent of contamination, impacted soils were excavated and disposed of in accordance with local, state and federal regulations.

Groundwater was monitored on multiple events using wells installed by the previous consultant and by advancing temporary well points for additional delineation purposes. Impacted groundwater was delineated to a single permanent monitor well where chlorinated VOCs were above NJDEP groundwater quality standards. Matrix's LSRP provided guidance for the use of an injection of hydrogen-releasing compound (HRC®) for the anaerobic degradation of chlorinated VOCs on site.

Sub-slab vapor sampling resulted in soil gas concentrations below the NJDEP's most restrictive soil gas screening levels (SGSLs) therefore, a vapor intrusion study was not warranted.

Matrix anticipates the HRC® injection will degrade chlorinated VOC concentration to below applicable standards, thus allowing the LSRP to provide a Remedial Action Outcome (RAO) for all AOCs on site, closing the case.

### CLIENT

Irving Realty, LLC  
1292 Route 9 South  
Old Bridge, NJ 08857

### CONTACT

Robin Rosen  
(732) 316-2600

### COST

\$4,000 (Matrix Fee)

### DURATION

2011 - 2013

### KEY PERSONNEL

Rose DeLorenzo, CHMM, LSRP



## Spring Grove Auto Repair Groundwater Remediation 842 Springfield Avenue Irvington, New Jersey

### PURPOSE OF CONTRACT

Matrix successfully obtained a grant awarded through the Petroleum Underground Storage Tank Remediation, Upgrade and Closure Fund (PUST Fund) administered by the New Jersey Economic Development Authority (NJEDA). The grant, administered by the New Jersey Department of Environmental Protection (NJDEP) Bureau of Contract and Fund Management (BCFM), was awarded to Mr. Art Beck, Sr. for the groundwater investigation of petroleum discharges from the former waste oil USTs at the Site.

The environmental investigation and activities are completed under the direct oversight of Matrix's New Jersey Licensed Site Remediation Professional (LSRP). Matrix is presently obtaining off-site access through the County of Essex Department of Engineering to perform the installation of temporary wells in the County right-of-way for the determination of the horizontal extent of volatile organic compounds in groundwater.

Pending activities include further groundwater delineation and remediation activities, groundwater sampling, a vapor intrusion investigation and further soil investigation activities in a future grant supplement associated with the former leaded gasoline USTs.

Upon completion of the groundwater investigation activities, Matrix's LSRP will issue a Response Action Outcome for all USTs at the Site.

### CLIENT

New Jersey Economic  
Development Authority

### CONTACT

David Posey  
NJDEP, BCFM  
(609) 984-1355

### COST

\$65,000 (Matrix Fee)

### DURATION

2010 - 2017

### KEY PERSONNEL

Thomas DeMichele, LSRP  
Rose DeLorenzo, CHMM, LSRP  
Mark Sprengel



The project will restore, enhance, and protect the wetland complex through the implementation of multiple resilient and sustainable measures. These include a living shoreline, saltmarsh restoration, and invasive species eradication. The project will ultimately buffer the wetland complex from continued erosion from the tidal action of Newark Bay, improve flood control for the adjoining upland areas in the City of Newark, and restore the natural habitat.

City of Newark  
920 Broad Street, Room 402  
Newark, NJ 07102

Christopher Colley  
(973) 273-1040

\$1,600,000

## 2015 - Ongoing

Andrew Raichle, PE  
Robert Gascoyne, PG, LSRP  
Robert Fiorile  
Donna McCormack  
Frank Barlowski, PLS



## SECTION 5





## State of New Jersey

**PHILIP D. MURPHY**  
*Governor*

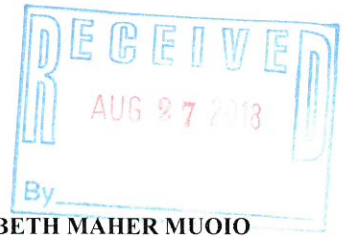
DEPARTMENT OF THE TREASURY  
DIVISION OF REVENUE AND ENTERPRISE SERVICES  
33 WEST STATE STREET, 5TH FLOOR

**SHEILA Y. OLIVER**  
*Lt. Governor*

P.O. BOX 026  
TRENTON, NEW JERSEY 08625-026  
PHONE: 609-292-2146 FAX: 609-984-6679

**ELIZABETH MAHER MUOIO**  
*Acting State Treasurer*

**JAMES J. FRUSCIONE**  
*Director*



### CERTIFIED

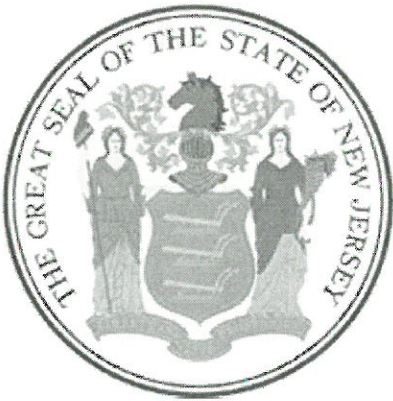
*under the*

Small Business Set-Aside Act and Minority and Women Certification Program

This certificate acknowledges **Matrix New World Eng Land Surveying & Landscape Arch PC** is a **WBE** owned and controlled company, which has met the criteria established by N.J.A.C. 17:46.

This certification will remain in effect for three years. Annually the business must submit, not more than 20 days prior to the anniversary of the certification approval, an annual verification statement in which it shall attest that there is no change in the ownership, control or any other factor of the business affecting eligibility for certification as a minority or women-owned business.

If the business fails to submit the annual verification statement by the anniversary date, the certification will lapse and the business will be removed from the SAVI that lists certified minority and women-owned business. If the business seeks to be certified again, it will have to reapply and pay the \$100 application fee. In this case, a new application must be submitted prior the expiration date of this certification.



Peter Lowicki  
Deputy Director

**Issued:** August 13 2018  
**Certificate Number:** 72369-15

**Expiration:** August 12, 2021



05/04/16

Taxpayer Identification# **223-057-511/000**

Dear Business Representative:

Congratulations! You are now registered with the New Jersey Division of Revenue.

Use the Taxpayer Identification Number listed above on all correspondence with the Divisions of Revenue and Taxation, as well as with the Department of Labor (if the business is subject to unemployment withholdings). Your tax returns and payments will be filed under this number, and you will be able to access information about your account by referencing it.

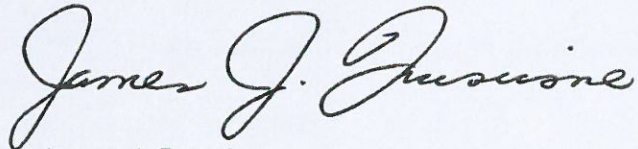
Additionally, please note that State law requires all contractors and subcontractors with Public agencies to provide proof of their registration with the Division of Revenue. The law also amended Section 92 of the Casino Control Act, which deals with the casino service industry.

We have attached a Proof of Registration Certificate for your use. To comply with the law, if you are currently under contract or entering into a contract with a State agency, you must provide a copy of the certificate to the contracting agency.

If you have any questions or require more information, feel free to call our Registration Hotline at (609)292-9292.

I wish you continued success in your business endeavors.

Sincerely,



James J. Fruscione  
Director  
New Jersey Division of Revenue

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE		DEPARTMENT OF TREASURY/ DIVISION OF REVENUE PO BOX 252 TRENTON, N J 08646-0252
TAXPAYER NAME:	TRADE NAME:	
MATRIX NEW WORLD ENGINEERING, LAND SURVEY	MATRIX NEW WORLD ENGINEERING	
ADDRESS:	SEQUENCE NUMBER:	
26 COLUMBIA TURNPIKE, 2ND FLOOR FLORHAM PARK NJ 07932	0078704	
EFFECTIVE DATE:	ISSUANCE DATE:	
03/18/91	05/04/16	
 Director New Jersey Division of Revenue		

FORM-BRC

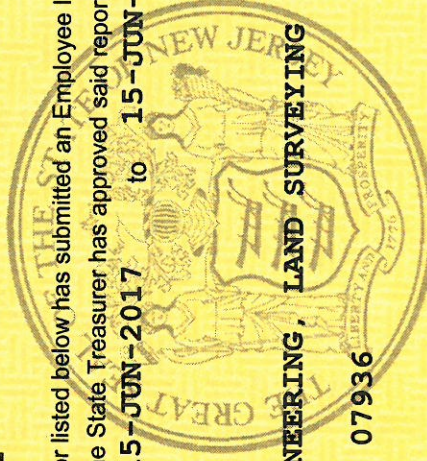
This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.

Certification 14549

## **CERTIFICATE OF EMPLOYEE INFORMATION REPORT RENEWAL**

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of **15-JUN-2017** to **15-JUN-2020**

**MATRIX NEW WORLD ENGINEERING, LAND SURVEYING**  
**26 COLUMBIA TURNPIKE**  
**FLORHAM PARK NJ 07936**



*Ford M. Scudder*

FORD M. SCUDDER  
State Treasurer





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/13/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> United Assurance, Inc. 16-00 Pollitt Dr. Fair Lawn NJ 07410	<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext):</b> 201-797-6600 <b>E-MAIL ADDRESS:</b> d.fudali@unitedassurance.com <b>FAX (A/C, No):</b> 201-797-4455
<b>INSURED</b> Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C. 26 Columbia Tpke Florham Park NJ 07932	<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Allmerica Financial Benefit <b>INSURER B:</b> Nautilus Insurance Company <b>INSURER C:</b> Great Divide Insurance Co. <b>INSURER D:</b> GUARDIAN LIFE INS CO OF AMER <b>INSURER E:</b> Hanover Insurance Co. <b>INSURER F:</b>

**COVERAGES****CERTIFICATE NUMBER:** 368345484**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Pollution - Each Claim \$2M GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	Y	Y	ECP2017341-12	3/2/2018	3/2/2019	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	Y	Y	AWY-7938199	2/1/2018	2/1/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	Y	Y	FFX2017342-12	3/2/2018	3/2/2019	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
C B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y / N <input type="checkbox"/> N / A		Y	WCA201734312 WCA201734412 (AZ)	8/11/2018 8/11/2018	3/2/2019 3/2/2019	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D B E	Disability Professional Liability Valuable Papers			00932784-0000 ECP2017341-12 RHY5026707	3/15/2018 3/2/2018 2/1/2018	3/15/2019 3/2/2019 2/1/2019	Each Claim/Agg. Blanket Limit Continuous 2,000,000 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
- EVIDENCE OF INSURANCE -

**CERTIFICATE HOLDER****CANCELLATION**

"SAMPLE ONLY"

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2010 ACORD CORPORATION. All rights reserved.

# Request for Taxpayer Identification Number and Certification

Give Form to the  
requester. Do not  
send to the IRS.

► Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Print or type.  
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

**Matrix New World Engineering, Land Surveying and Landscape Architecture, PC**

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☒ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ►

**Note:** Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ►

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) \_\_\_\_\_

Exemption from FATCA reporting code (if any) \_\_\_\_\_

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

**26 Columbia Turnpike**

6 City, state, and ZIP code

**Florham Park, NJ 07932**

7 List account number(s) here (optional)

Requester's name and address (optional)

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

\_\_\_\_ - \_\_\_\_ - \_\_\_\_

or

Employer identification number

2 2 - 3 0 5 7 5 1 1

## Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign  
Here

Signature of  
U.S. person ►

Elizabeth Brady

Date ► November 30, 2018

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)












- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

## BOROUGH OF ROSELLE PARK

### SUBMISSION CHECKLIST

THE FOLLOWING ITEMS, AS INDICATED BELOW <input checked="" type="checkbox"/> , SHALL BE PROVIDED WITH THE RECEIPT OF SEALED SUBMISSIONS		Initial Here
<input checked="" type="checkbox"/>	Completed RFP Checklist	
<input checked="" type="checkbox"/>	Completed Submission Form / Qualification Statement	
<input checked="" type="checkbox"/>	Statement of Ownership Disclosure	
<input checked="" type="checkbox"/>	Non-Collusion Affidavit	
<input checked="" type="checkbox"/>	Required EEO/Affirmative Action Evidence & Signed Compliance Notice	
<input checked="" type="checkbox"/>	Acknowledgement of Americans with Disabilities Act Language of 1990	
<input checked="" type="checkbox"/>	Disclosure of Investment Activities in Iran	
<input checked="" type="checkbox"/>	Insurance Requirement Acknowledgement Form	
<input checked="" type="checkbox"/>	Certification Regarding Political Contributions	
<input checked="" type="checkbox"/>	New Jersey Business Registration Certificate of Vendor	
<input checked="" type="checkbox"/>	W-9 of Vendor	

This checklist is provided for vendor's use in assuring compliance with required documentation; however, it does not include all submission requirements and does not relieve the vendor of the need to read and comply with the RFP.

Name of Vendor: Matrix New World Engineering

Date: November 26, 2018

Signature: X. 

Print Name: Elizabeth Brady

Title: Executive Assistant

**BOROUGH OF ROSELLE PARK**

**STATEMENT OF OWNERSHIP DISCLOSURE**

**N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)**

**THIS STATEMENT SHALL BE COMPLETED, CERTIFIED TO, AND INCLUDED WITH ALL BID AND PROPOSAL SUBMISSIONS. FAILURE TO SUBMIT THE REQUIRED INFORMATION IS CAUSE FOR AUTOMATIC REJECTION OF THE BID OR PROPOSAL.**

**Name of Organization:** Matrix New World Engineering, Land Surveying and Landscape Architecture, PC

**Organization Address:** 26 Columbia Turnpike, Florham Park, NJ 07932

**Part I**

**Check the box that represents the type of business organization:**

- ☐ Sole Proprietorship (skip Parts II and III, execute certification in Part IV)
- ☐ Non-Profit Corporation (skip Parts II and III, execute certification in Part IV)
- ☒ For-Profit Corporation (any type)
- ☐ Limited Liability Company (LLC)
- ☐ Partnership
- ☐ Limited Partnership
- ☐ Limited Liability Partnership (LLP)
- ☐ Other (be specific): \_\_\_\_\_

**Part II**

- ☒ The list below contains the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be. **(COMPLETE THE LIST ON THE NEXT PAGE IN THIS SECTION)**

OR

- ☐ No one stockholder in the corporation owns 10 percent or more of its stock, of any class, or no individual partner in the partnership owns a 10 percent or greater interest therein, or no member in the limited liability company owns a 10 percent or greater interest therein, as the case may be. **(SKIP TO PART IV)**



**STATEMENT OF OWNERSHIP DISCLOSURE**  
**(Continued)**

(Please attach additional sheets if more space is needed):

Name of Individual or Business Entity	Home Address (for Individuals) or Business Address
Jayne Warne, PE	21 Bloomfield Way West Orange, NJ 07052

**Part III**

**DISCLOSURE OF 10% OR GREATER OWNERSHIP IN THE STOCKHOLDERS, PARTNERS OR LLC MEMBERS LISTED IN PART II**

**If a bidder has a direct or indirect parent entity which is publicly traded, and any person holds a 10 percent or greater beneficial interest in the publicly traded parent entity as of the last annual federal Security and Exchange Commission (SEC) or foreign equivalent filing, ownership disclosure can be met by providing links to the website(s) containing the last annual filing(s) with the federal Securities and Exchange Commission (or foreign equivalent) that contain the name and address of each person holding a 10% or greater beneficial interest in the publicly traded parent entity, along with the relevant page numbers of the filing(s) that contain the information on each such person. Attach additional sheets if more space is needed.**

Website (URL) containing the last annual SEC (or foreign equivalent) filing	Page #'s

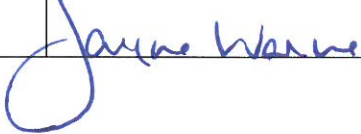
**Please list the names and addresses of each stockholder, partner or member owning a 10 percent or greater interest in any corresponding corporation, partnership and/or limited liability company (LLC) listed in Part II other than for any publicly traded parent entities referenced above. The disclosure shall be continued until names and addresses of every noncorporate stockholder, and individual partner, and member exceeding the 10 percent ownership criteria established pursuant to N.J.S.A. 52:25-24.2 has been listed. Attach additional sheets if more space is needed.**

Stockholder/Partner/Member and Corresponding Entity Listed in Part II	Home Address (for Individuals) or Business Address

**STATEMENT OF OWNERSHIP DISCLOSURE**  
**(Continued)**

**Part IV**  
**Certification**

I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder/proposer; that the Borough of Roselle Park is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with the Borough of Roselle Park to notify the Borough of Roselle Park in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the, permitting the Borough of Roselle Park to declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print):	Jayne Warne, PE	Title:	President
Signature:		Date:	November 26, 2018

**BOROUGH OF ROSELLE PARK**

**NON-COLLUSION AFFIDAVIT**

State of New Jersey  
County of Morris

ss:

I, Jayne Warne, PE of the City of Florham Park in  
the County of Morris and State of New Jersey full age, being duly  
sworn according to law on my oath depose and say that:

I am President of the firm of Matrix New World Engineering, Land  
Surveying and Landscape Architecture, PC  
(Title or Position) (Name of Firm)

the bidder making this Proposal for the above named project, and that I executed the said proposal with full  
authority so to do; that said bidder has not, directly or indirectly entered into any agreement, participated in any  
collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above  
named project; and that all statements contained in said proposal and in this affidavit are true and correct, and  
made with full knowledge that the Borough of Roselle Park relies upon the truth of the statements contained in  
said proposal and in the statements contained in this affidavit in awarding the contract for the said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure  
such contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee,  
except bona fide employees or bona fide employees or bona fide established commercial or selling agencies  
maintained by Matrix New World Engineering (name of contractor).

Subscribed and sworn to

before me this 24<sup>th</sup> day  
of Nov., 2018.

X.

Jayne Warne

Signature

Jayne Warne, PE

(Type or print name of affiant under signature)

Notary public of

My Commission expires



**BOROUGH OF ROSELLE PARK**

**AFFIRMATIVE ACTION COMPLIANCE NOTICE**

**N.J.S.A. 10:5-31 and N.J.A.C. 17:27**

**GOODS, PROFESSIONAL SERVICE  
AND GENERAL SERVICE CONTRACTS**

This form is a summary of the successful bidder's requirement to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27-1 et seq.

The successful bidder shall submit to the public agency, after notification of award but prior to execution of this contract, one of the following three documents as forms of evidence:

- a) A photocopy of a valid letter that the contractor is operating under an existing Federally approved or sanctioned affirmative action program (good for one year from the date of the letter);

OR

- b) A photocopy of a Certificate of Employee Information Report approval, issued in accordance with N.J.A.C. 17:27-4;

OR

- c) A photocopy of an Employee Information Report (Form AA302) provided by the Division and distributed to the public agency to be completed by the contractor in accordance with N.J.A.C. 17:27-4.

The successful vendor may obtain the Affirmative Action Employee Information Report (AA302) from the contracting unit during normal business hours.

The successful vendor(s) must submit the copies of the AA302 Report to the Division of Contract Compliance and Equal Employment Opportunity in Public Contracts (Division). The Public Agency copy is submitted to the public agency, and the vendor copy is retained by the vendor.

The undersigned vendor certifies that he/she is aware of the commitment to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27.1 et seq. and agrees to furnish the required forms of evidence.

The undersigned vendor further understands that his/her bid shall be rejected as non-responsive if said contractor fails to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27-1 et seq.

COMPANY: Matrix New World Engineering, Land Surveying and Landscape Architecture, PC

SIGNATURE: 

PRINT NAME: Jayne Warne, PE

TITLE: President

DATE: November 26, 2018



**BOROUGH OF ROSELLE PARK**

**EXHIBIT A**

**MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE**

**N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)**

**N.J.A.C. 17:27**

**GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS**

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted Borough employment goals established in accordance with N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken



**EXHIBIT A**  
**MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE**

**N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)**

**N.J.A.C. 17:27**

**GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS**  
**(Continued)**

without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval

Certificate of Employee Information Report

Employee Information Report Form AA302 (electronically provided by the Division and distributed to the public agency through the Division's website at [www.state.nj.us/treasury/contract\\_compliance](http://www.state.nj.us/treasury/contract_compliance)).

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Purchase & Property, CCAU, EEO Monitoring Program as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Purchase & Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code at N.J.A.C. 17:27**.

**BOROUGH OF ROSELLE PARK**

**AMERICANS WITH DISABILITIES ACT OF 1990**  
**Equal Opportunity for Individuals with Disability**

The Contractor and the Owner, do hereby agree that the provisions of Title 11 of the Americans with Disabilities Act of 1990 (the "Act") (42 U.S.C. 5121 01 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant there unto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the owner pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event that the contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the contractor shall defend the owner in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the owner, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The contractor shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the owner's grievance procedure, the contractor agrees to abide by any decision of the owner which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the owner, or if the owner incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the contractor shall satisfy and discharge the same at its own expense.

The owner shall, as soon as practicable after a claim has been made against it, give written notice thereof to the contractor along with full and complete particulars of the claim, If any action or administrative proceeding is brought against the owner or any of its agents, servants, and employees, the *owner shall* expeditiously forward or have forwarded to the contractor every demand, complaint, notice, summons, pleading, or other process received by the owner or its representatives.

It is expressly agreed and understood that any approval by the owner of the services provided by the contractor pursuant to this contract will not relieve the contractor of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the owner pursuant to this paragraph.

It is further agreed and understood that the owner assumes no obligation to indemnify or save harmless the contractor, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the owner from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

The undersigned vendor consents to the full understanding of the forgoing Americans with Disabilities Act Language of 1990:

Bidder/Vendor: Matrix New World Engineering, Land Surveying and Landscape Architecture, PC

Signature: 

Full Name (Print): Jayne Warne, PE

Title: President

Date November 26, 2018

## **BOROUGH OF ROSELLE PARK**

### **DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN**

#### **PART 1: CERTIFICATION**

#### **BIDDERS MUST COMPLETE PART 1 BY CHECKING EITHER BOX.**

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that neither the person or entity, nor any of its parents, subsidiaries, or affiliates, is identified on the Department of Treasury's Chapter 25 list as a person or entity engaging in investment activities in Iran. The Chapter 25 list is found on the Division's website at <http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. Bidders must review this list prior to completing the below certification. Failure to complete the certification will render a bidder's proposal non-responsive.

#### **PLEASE CHECK EITHER BOX:**

☒ I certify, pursuant to Public Law 2012, c. 25, that neither the person/entity listed above nor any of the entity's parents, subsidiaries, or affiliates is listed on the N.J. Department of the Treasury's list of entities determined to be engaged in prohibited activities in Iran pursuant to P.L. 2012, c. 25 ("Chapter 25 List"). I further certify that I am the person listed above, or I am an officer or representative of the entity listed above and am authorized to make this certification on its behalf. I will skip Part 2 and sign and complete the Certification below.

OR

☐ I am unable to certify as above because I or the bidding entity and/or one or more of its parents, subsidiaries, or affiliates is listed on the Department's Chapter 25 list. I will provide a detailed, accurate and precise description of the activities in Part 2 below and sign and complete the Certification below. Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

#### **PART 2**

#### **PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN**

You must provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the form below. (PROVIDE INFORMATION RELATIVE TO THE ABOVE QUESTIONS. PLEASE PROVIDE THOROUGH ANSWERS TO EACH QUESTION. IF YOU NEED TO MAKE ADDITIONAL ENTRIES, USE ADDITIONAL PAGES).

Name: \_\_\_\_\_

Relationship to Bidder/Vendor: \_\_\_\_\_

Description of Activities: \_\_\_\_\_

Duration of Engagement: \_\_\_\_\_ Anticipated Cessation Date: \_\_\_\_\_

Bidder/Vendor: \_\_\_\_\_

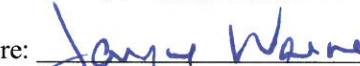
Contact Name: \_\_\_\_\_ Contact Phone Number: \_\_\_\_\_

**DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN**  
**(Continued)**

**CERTIFICATION**

I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this certification on behalf of the below-referenced person or entity. I acknowledge that the Borough of Roselle Park is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of contracts with the Borough of Roselle Park to notify the Borough of Roselle Park in writing of any changes to the answers or information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreements(s) with the Borough of Roselle Park and that the Borough of Roselle Park at its option may declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print): Jayne Warne, PE

Signature: 

Title: President

Date November 26, 2018

Bidder/Vendor: Matrix New World Engineering, Land Surveying and Landscape Architecture, PC

**BOROUGH OF ROSELLE PARK**

**INSURANCE REQUIREMENTS AND ACKNOWLEDGEMENT FORM**

Certificate(s) of Insurance shall be filed with the Borough Clerk's Office upon award of contract by the governing body

The minimum amount of insurance to be carried by the Professional Service Entity shall be as follows:

**PROFESSIONAL LIABILITY INSURANCE**

Limits shall be a minimum of \$1,000,000.00 for each claim and \$1,000,000.00 aggregate each policy period.

Acknowledgement of Insurance Requirement:

SIGNATURE: \_\_\_\_\_

DATE: November 26, 2018

Jayne Warne, PE - President

(Printed Name & Title)



**BOROUGH OF ROSELLE PARK**

**CERTIFICATION REGARDING POLITICAL CONTRIBUTIONS**

STATE OF NEW JERSEY

: SS.

COUNTY OF MORRIS

I, Jayne Warne, PE, \_\_\_\_\_ of the Borough of  
Florham Park in the County of Morris and the State of New Jersey, of \_\_\_\_\_  
full age, being duly sworn

according to law on my oath depose and say that:

I am the President of the firm of  
Matrix New World Engineering, the Professional Service Entity making the  
submissions for the above named Service, and that I executed the said submission with full authority to do  
so; that said Professional Service Entity acknowledges that it is aware that the Borough of Roselle Park  
pursuant to Section 2-4 of the Borough Code prohibits the awarding of any public contract to any  
Professional Service Entity that has contributed in excess of two hundred (\$200.00) dollars to a campaign  
committee of any Borough of Roselle Park candidate or holder of the public office having ultimate  
responsibility for the award of the contract, or to any Borough of Roselle Park or Union County Party  
Committee, or to any political action committee (PAC) that is organized for the primary purpose of  
promoting or supporting Borough of Roselle Park municipal candidates or municipal officeholders, within  
one (1) calendar year immediately preceding the date of the contract or agreement.

I further warrant that pursuant to Roselle Park Borough Section 2-4, a "professional service provider"  
seeking a public contract means: an individual, including the individual's spouse, if any, and any child  
living at home; person; firm; corporation; professional corporation; partnership; organization; or  
association. The definition of a service provider includes all principals who own one (1%) percent or more  
of the equity in the corporation or business trust, partners, and officers in the aggregate employed by the  
provider as well as any subsidiaries directly controlled by the service provider.

I further warrant that I have reviewed Borough Code Section 2-4.

I hereby certify that the foregoing statements made by me are true. I am aware that if any of the foregoing  
statements made by me are willfully false, I am subject to punishment for contempt of Court.

Subscribed and sworn to before me  
this 26<sup>th</sup> day of Nov., 20 18

May E. Pessano

(Signature of Notary)

(Affix Seal)



Jayne Warne  
(Signature of Professional)  
Name: Jayne Warne, PE  
Title: President